

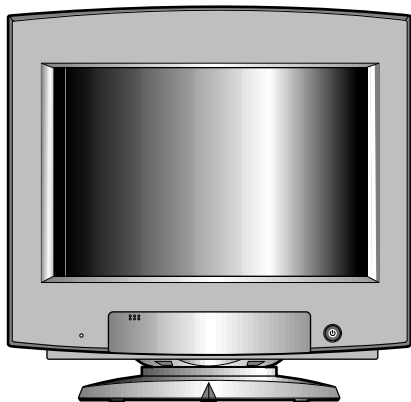
COLOR MONITOR SERVICE MANUAL

CHASSIS NO. : CA-66

MODEL: EV500, CG571B

CAUTION

BEFORE SERVICING THE UNIT,
READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.



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SPECIFICATIONS

1. PICTURE TUBE

Size	: 15 inch (Flat Square Tube)
Deflection Angle	: 90°
Neck Diameter	: 29.1 mm
Dot Pitch	: 0.28 mm
Low Radiation	: TCO-92
Face Treatment	: W-ARASC (Anti-Reflection and Anti-Static Coating), Internal Anti-Glare

2. SIGNAL

2-1. Horizontal & Vertical Sync

- 1) Input Voltage Level : Low= $\leq 0.8V$, High= $\geq 2.0V$
- 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 : 0.47 Vp-p
 - c) Color 15, 0 : 0.7 Vp-p
- 2) Input Impedance : 75 Ω
- 3) Video Color : R, G, B Analog
- 4) Signal Format : Refer to the Timing Chart

2-3. Signal Connector

15 Pin D-Sub Connector

2-4. Scanning Frequency

Horizontal	: 30 ~ 70 kHz
Vertical	: 50 ~ 160 Hz

3. POWER SUPPLY

3-1. Power Range

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 95W	GREEN
STAND-BY	OFF/ON	less than 15W	ORANGE
SUSPEND	ON/OFF	less than 15W	
OFF	OFF/OFF	less than 3W	ORANGE

4. DISPLAY AREA

- 4-1. Active Video Area : 270 x 200 mm (10.63" x 7.87")
(Available for Full Screen)
- 4-2. Display Color : Full Colors
- 4-3. Display Resolution : 1280 x 1024 / 60Hz
- 4-4. Video Bandwidth : 110 MHz

5. ENVIRONMENT

- 5-1. Operating Temperature: 5°C ~ 40°C
(Ambient)
- 5-2. Relative Humidity : 5% ~ 90%
(Non-condensing)
- 5-3. Altitude : 10,000ft

6. DIMENSIONS (with TILT/SWIVEL)

Width	: 360.0 mm (14.17")
Depth	: 386.0 mm (15.20")
Height	: 377.0 mm (14.84")

7. WEIGHT (with TILT/SWIVEL)

Net Weight	: 13.0 kg (28.66 lbs)
Gross Weight	: 15.5 kg (34.18 lbs)

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 Gateway 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 about 24kV. The following steps describe how to measure the high voltage and how to prevent X-radiation.

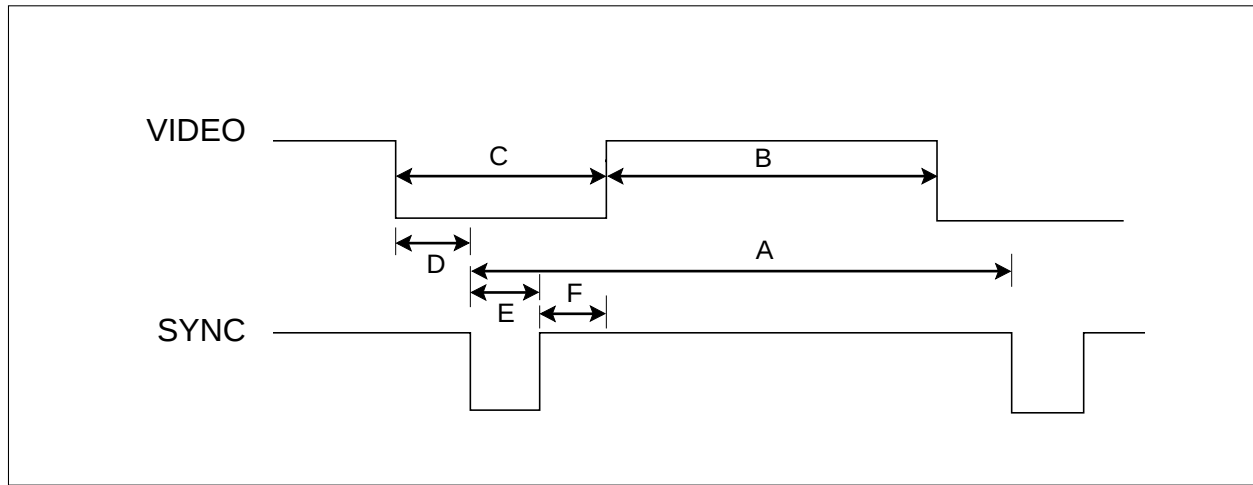
Note : It is important to use an accurate high voltage meter calibrated periodically.

- To measure the high voltage, use a high impedance high voltage meter, connect (–) to chassis and (+) to the CDT 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.

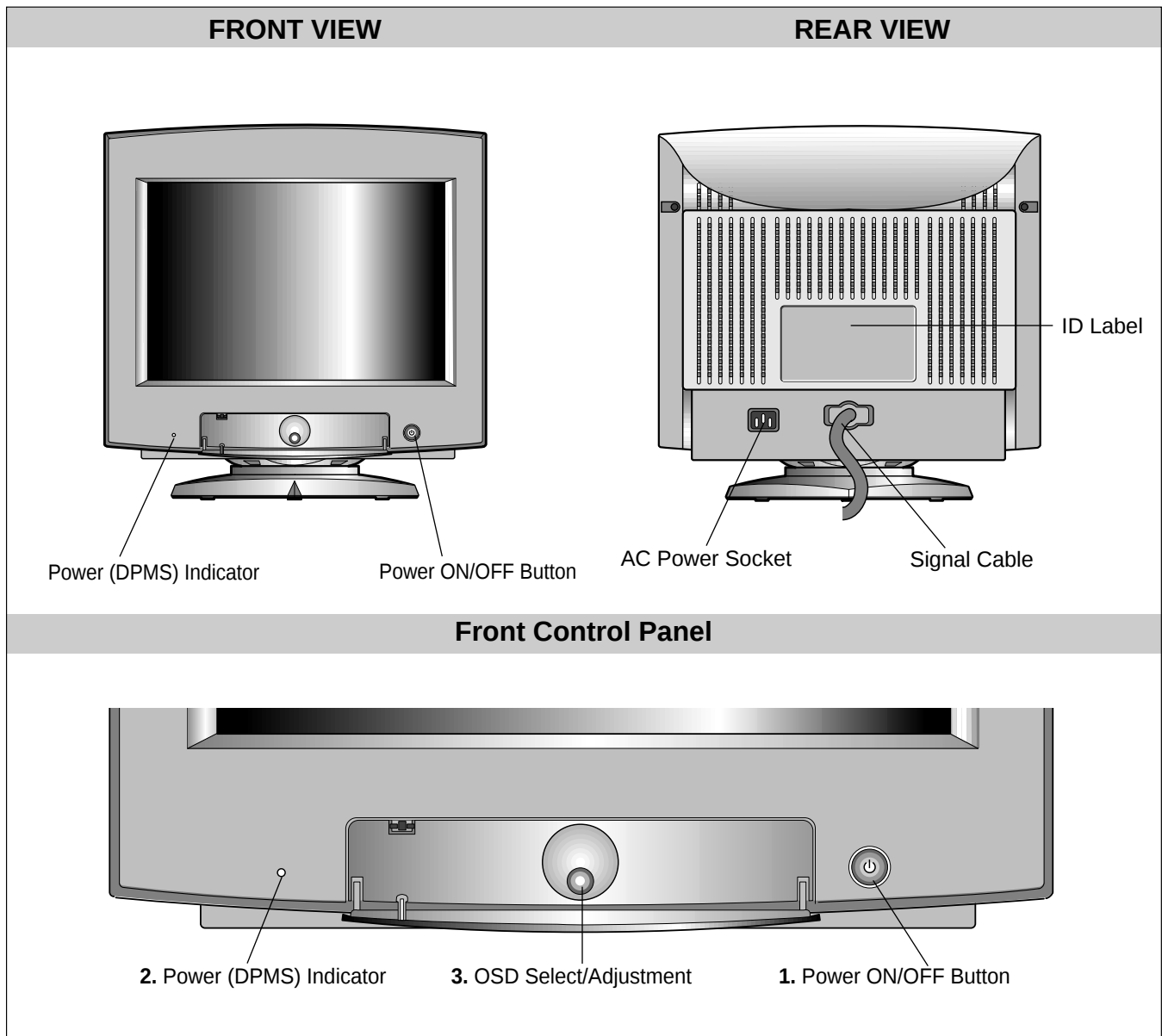
TIMING CHART



MODE			FACTORY PRESET MODE								
			MARK	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6	MODE 7	MODE 8
H O R I Z O N T A L	Sync Polarity			—	—	—	+	+	—	+	+
	Frequency	kHz		31.469	37.500	31.470	37.879	46.875	48.363	60.023	63.981
	Total Period	μs	A	31.778	26.667	31.776	26.400	21.333	20.677	16.660	15.630
	Video Active Time	μs	B	25.422	20.317	25.421	20.000	16.162	15.754	13.003	11.852
	Blanking Time	μs	C	5.720	6.349	6.355	6.400	5.172	4.923	3.657	3.778
	Front Porch	μs	D	0.318	0.508	0.636	1.000	0.323	0.369	0.203	0.444
	Sync Duration	μs	E	3.813	2.032	3.813	3.200	1.616	2.092	1.219	1.037
	Back Porch	μs	F	1.589	3.810	1.907	2.200	3.232	2.462	2.235	2.296
V E R T I C A L	Sync Polarity			—	—	+	+	+	—	+	+
	Frequency	Hz		59.940	75.000	70.000	60.317	75.000	60.004	75.029	60.020
	Total Period	ms	A	16.683	13.333	14.286	16.579	13.333	16.666	13.328	16.661
	Video Active Time	ms	B	15.253	12.800	12.727	15.840	12.800	15.880	12.795	16.005
	Blanking Time	ms	C	0.922	0.533	1.559	0.739	0.533	0.786	0.533	0.656
	Front Porch	ms	D	0.064	0.027	0.382	0.026	0.021	0.062	0.017	0.016
	Sync Duration	ms	E	0.064	0.080	0.064	0.106	0.064	0.124	0.050	0.047
	Back Porch	ms	F	0.794	0.427	1.114	0.607	0.448	0.600	0.466	0.594
Resolution				640 x 480	640 x 480	720 x 400	800 x 600	800 x 600	1024 x 768	1024 x 768	1280 x 1024
				60Hz	75Hz	70Hz	60Hz	75Hz	60Hz	75Hz	60Hz
Recall				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

* 1~8 Mode: Preset Mode

OPERATING INSTRUCTIONS



1. Power ON/OFF Button

This button is used to turn the monitor ON and OFF.

2. Power (DPMS) Indicator

This indicator lights up green when the monitor operates normally; in DPMS (Energy Saving) mode, – stand-by, suspend, or off mode – its color changes to orange.

3. OSD Select/Adjustment

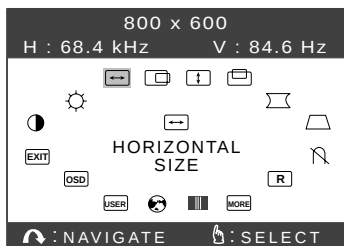
Use this knob for selecting (highlighting) an OSD icon and adjusting level of the selected menu.

On Screen Display (OSD) Control

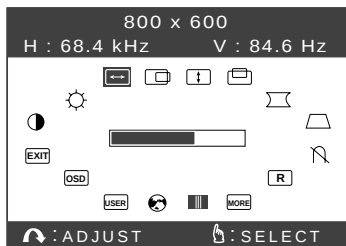
To adjust an image size, position, and operating parameters are quick and easy with the On Screen Display control system, using the OSD Select/Adjustment knob. A quick example is given below to familiarize yourself with use of the controls.

Example;

Note: (Monitor and PC's power switch should be ON, with an image or prompt on the screen). A single press of the OSD Select/Adjustment knob will present you the main menu as below:



To adjust this item, rotate the OSD Select/Adjustment knob and push it at the point of the selected item. The display will look like as below:



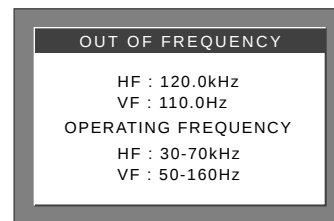
Listed below are icons, icon names.

Icon	Description
	Contrast: To adjust the image contrast level.
	Brightness: To adjust the screen brightness level.
	Horizontal Size: To adjust the image width.
	Horizontal Position: To move the image left or right.
	Vertical Size : To adjust the image height.
	Vertical Position: To move the image up or down.
	Pincushion: To correct bowing in or out of the image.
	Trapezoid: To correct the geometric distortion.
	Degauss: Used to demagnetize the picture to give a more accurate image and color.

Icon	Description
	Mode Recall: To recall factory preset mode.
	Advanced Option: There are four kinds of options. Tilt: To correct the image rotation. Parallelogram: To correct the geometric distortion. Pincushion Balance: To correct balance on each side distortion. Moiré: To reduce moiré. Moiré is caused by interference the periodical display pattern with the periodical dot screen.
	Color Select: To select color temperature or set color level; 9300K / 6550K / USER.
	Language Select: To choose one of the five languages for the OSD menu.
	Information: There is information of video modes-preset and user modes.
	OSD Manager: To adjust horizontal or vertical position of the OSD image.
	Exit: To make the OSD disappear on the screen.

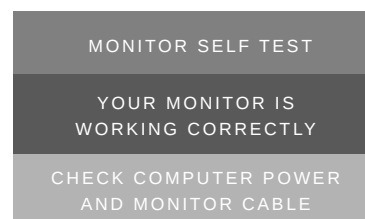
Out of Frequency Range

When inputted video signal is not available, the message will display as below:

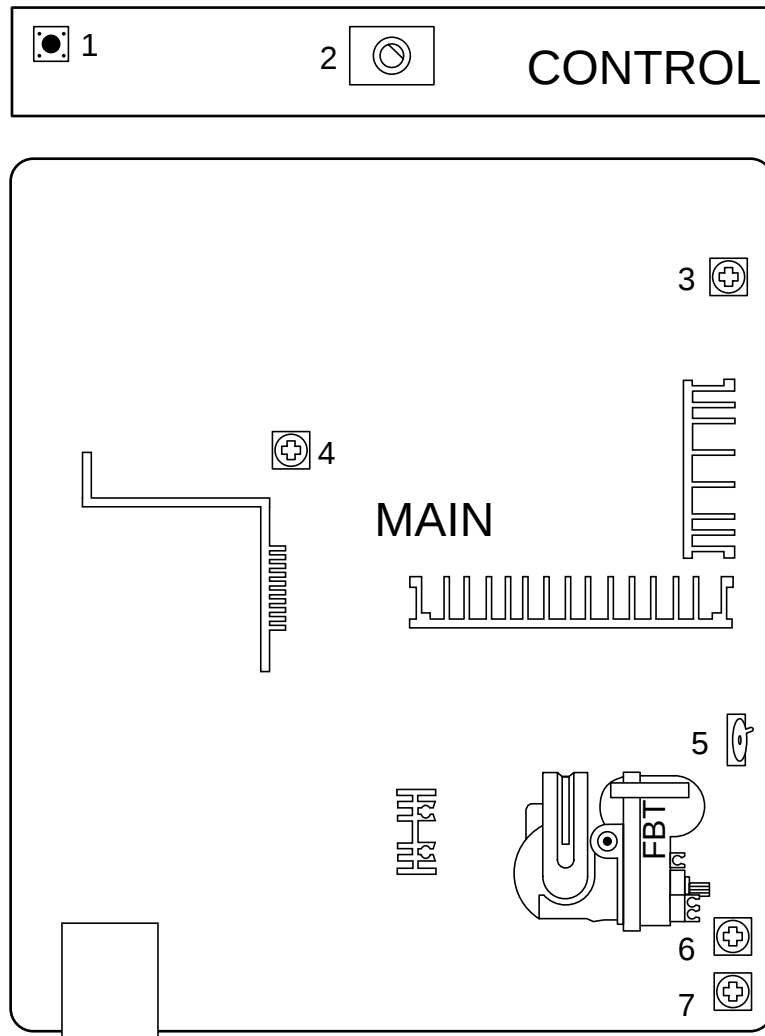


Self Diagnosis

This monitor has a **SELF DIAGNOSIS** OSD feature that is pops up when the signal cable is not connection between a PC and a monitor. The message will be highlighted as below.

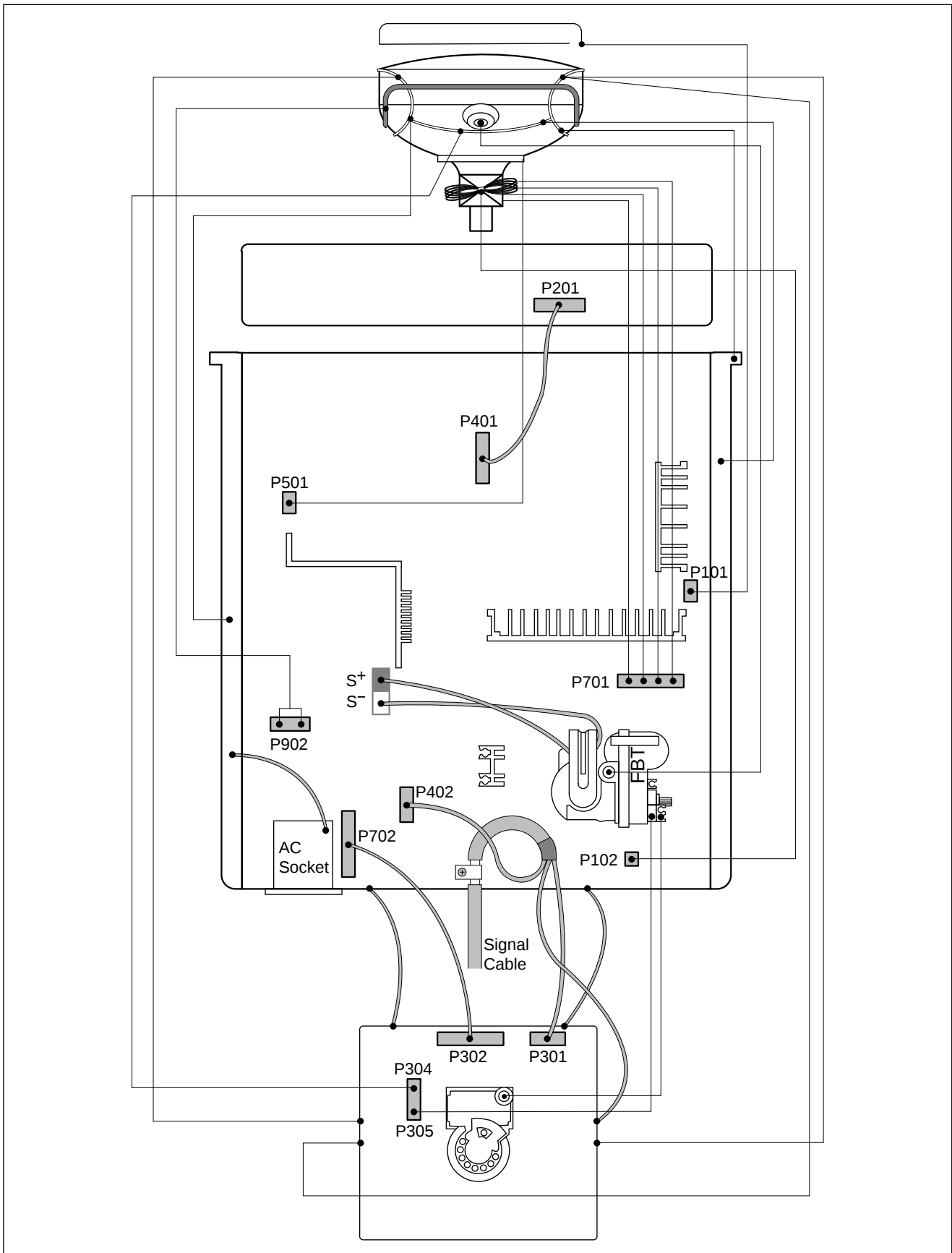


CONTROL LOCATIONS



NO.	Ref. No.	Control Function	NO.	Ref. No.	Control Function
1	SW201	POWER BUTTON	5	SW701	RASTER-CENTER ADJUSTMENT
2	VR201	OSD SELECT/ADJUSTMENT	6	VR102	TCO ADJUSTMENT 1
3	VR701	HIGH-VOLTAGE ADJUSTMENT	7	VR101	TCO ADJUSTMENT 2
4	VR901	B ⁺ ADJUSTMENT			

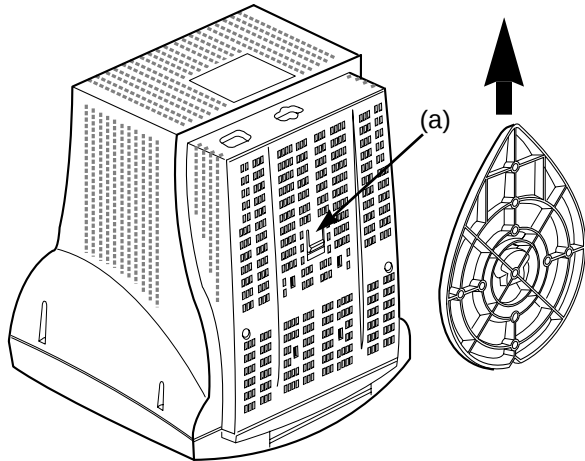
WIRING DIAGRAM



DISASSEMBLY

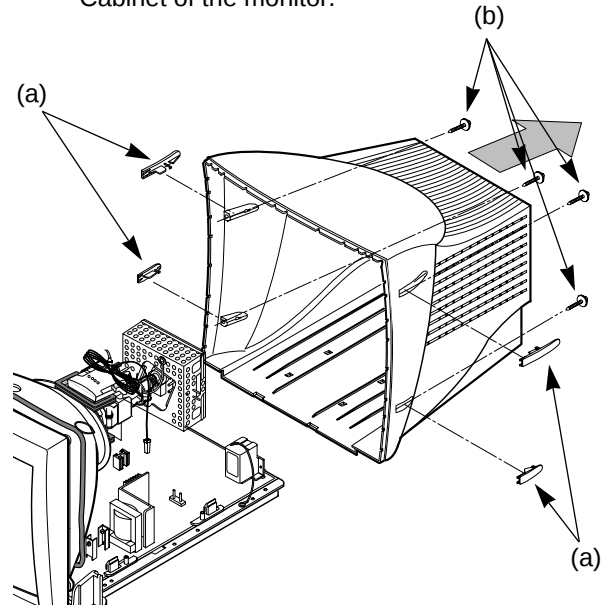
1. TILT/SWIVEL REMOVAL

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



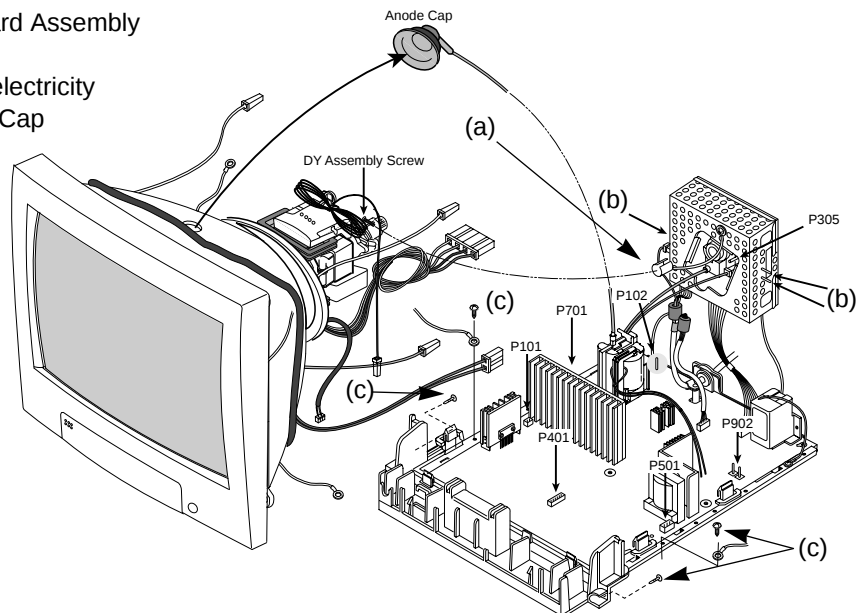
2. BACK COVER REMOVAL

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



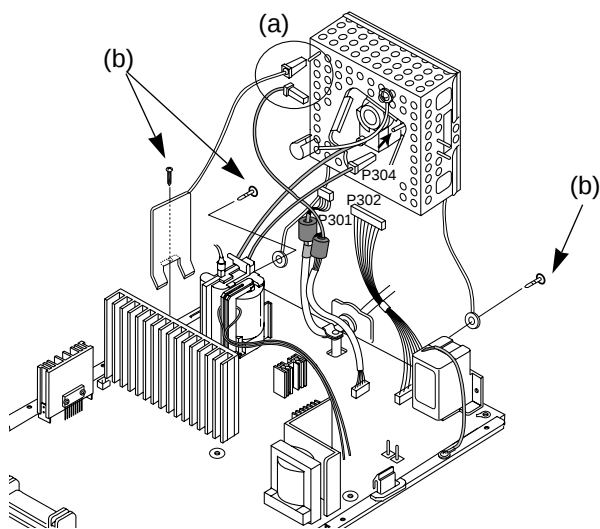
3. TOTAL CHASSIS ASSEMBLY REMOVAL

- 1) Remove connector (a) from the DY Assembly screw.
- 2) Disconnect P304 (GND Wire) and two pins (b) from the Video PCB.
- 3) Carefully separate the CDT Board Assembly from the CDT neck.
- 4) Discharge the remaining static electricity by shorting between the Anode Cap and the CDT ground.
- 5) Disconnect the Anode Cap from the CDT.
- 6) Disconnect P902, P903 (Degaussing pin), P701 (DY pin), P101, P102, P401, P501, and P704 from the Main PCB.
- 7) Remove four screws (c).
- 8) Remove the Total Chassis Assembly from the Main Frame.



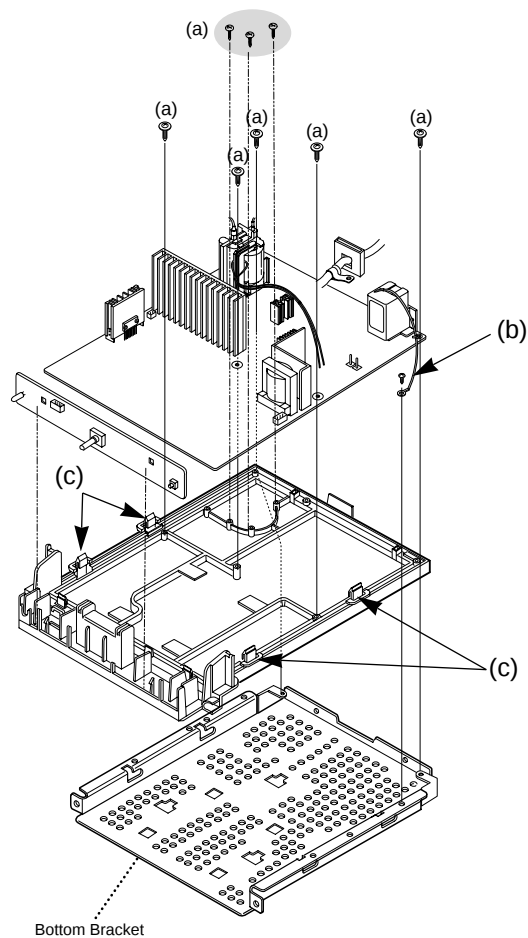
4. VIDEO BOARD ASSEMBLY REMOVAL

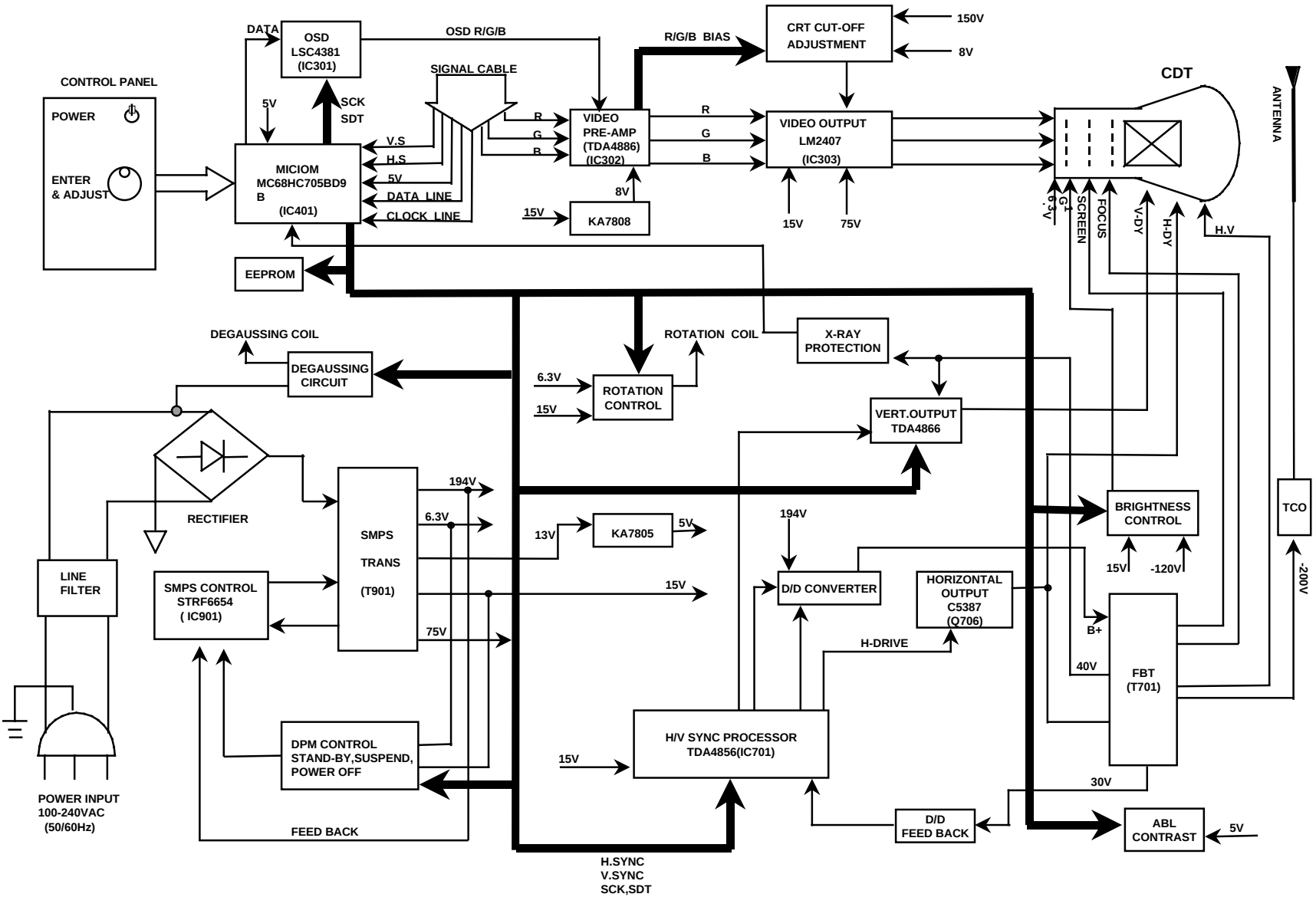
- 1) Disconnect P301, P302, P304, and Pin (a) from the Video Board Assembly.
- 2) Remove the three screws (b).



5. BOTTOM BRACKET & MAIN BOARD ASSEMBLY REMOVAL

- 1) Remove eight screws (a).
- 2) Remove the Bottom Bracket.
- 3) Remove screw (b).
- 4) Release four latches (c) from the Main Board Assembly.





DESCRIPTION OF BLOCK DIAGRAM

1. SMPS (Switching Mode Power Supply)

When you turn on the power switch, the operating procedure is as follows:

- 1) The AC line voltage is rectified by the bridge diodes D901, D902, D903, and D904.
- 2) The control IC(IC901) starts switching and generates switching pulses in the primary turn of the SMPS transformer(T901).
- 3) The switching pulses of the primary turns are induced to the secondary turns of the transformer by the turn ratio. This pulses are rectified by each diode(D922, D923, D924, D926, and D930).
- 4) Each rectified DC voltage(194V, 75V, 15V and 6.3V) is supplied to the main circuit.

2. Over Voltage Protection Circuit

When the input voltage of IC901 Vin(pin 4) is more than 22V, all the secondary voltages of the SMPS transformer(T901) down to low value.

3. Display Power Management Circuit

- 1) Stand-by and Suspend mode.
When no input of horizontal or vertical sync, Q922, Q923, and Q924 are turned off and Q920, Q925 and Q926 are turned on. Then input power consumption is below 15 watts.
- 2) OFF mode
When no input of horizontal and vertical sync, Q922, Q923, Q924, Q925, Q926 and Q9-2 are turned off and Q920 and Q9-3 are turned on. Then input power consumption is below 3 watts.

4. X-ray Protection Circuit

When the high voltage reaches to 29kV in an abnormal case, the high voltage detector circuit, R816, R818, ZD801, C805, and Q807 start operation to shut down high voltage circuit.

5. Microprocessor Control Circuit.

The operating procedure is as follows

- 1) Horizontal and Vertical sync signal are supplied to the microprocessor(IC401).
- 2) Microprocessor(IC401) discriminates the operating mode from the sync polarity and frequency.
- 3) After microprocessor reads these adjusted mode data stored at EEPROM, it controls operating mode data through IIC.
- 4) Users can control screen condition by the Flywheel control.

6. D/D Convert Circuit.

To obtain constant high voltage, this circuit supplies controlled DC voltage for FBT and horizontal deflection circuit according to the horizontal sync frequency.

7. Horizontal and Vertical Sync Processor Circuit.

The horizontal and vertical sync processor IC(IC701) has a sync detector, a saw-tooth generator, and drive function. And outputs horizontal and vertical drive signal to control screen distortions.

8. Horizontal S-correction Circuit.

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

9. Horizontal drive and Output Circuit.

This circuit is a horizontal deflection amplifier for raster scan.

10. ABL Circuit.

This circuit limits the beam-current for the reliability of CDT.

11. Vertical Output Circuit.

This circuit takes the vertical ramp wave from the TDA4856(IC701) and performs the vertical deflection by supplying the saw-tooth wave current to the vertical deflection yoke.

12. Blanking and Brightness Control Circuit.

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

13. Video Processor Circuit.

Video processor circuit consists of the video drive output block. The video drive IC(IC302) receives the video signal from PC. The gain of each channel is controlled by microprocessor through IIC. The cut-off circuit compensate different voltage of each channel between the cathode and the G1 of the CDT.

14. OSD (On-Screen-Display) Circuit.

This circuit displays information of the monitor's status on the screen.

ADJUSTMENT

GENERAL INFORMATION

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several adjustments may be required. Adjustment should be following procedure and after warming up for a minimum of 30 minutes.

- Alignment appliances and tools.
 - IBM compatible PC.
 - Programmable Signal Generator.
(eg. VG-819 made by Astrodesign Co.)
 - EPROM or EEPROM with saved each mode data.
 - Alignment Adaptor and Software.
 - Digital Voltmeter.
 - White Balance Meter.
 - Luminance Meter.
 - High-voltage Meter.

AUTOMATIC AND MANUAL DEGAUSSING

The degaussing coil is mounted around the CDT so that automatic degaussing when turn on the monitor. But a monitor is moved or faced in a different direction, become poor color purity cause of CDT magnetized, then press DEGAUSS 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 IBM compatible PC.
- Set external Brightness and Contrast volume to max position.

1. Adjustment for B⁺ Voltage.

- 1) Display cross hatch pattern at Mode 5.
- 2) Adjust voltage to 194V±0.5Vdc with **VR901**.

2. Adjustment for High-Voltage.

- 1) Display cross hatch pattern at Mode 5.
- 2) Adjust FBT Anode voltage to 24.5kV±0.1kV with **VR701**.

3. Adjustment for Horizontal Raster Center.

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

4. Input Initial Data (Decimal data) before Adjustment.

LUMINANCE		DRIVE		
Contrast	Max	R Drive	160	H-Top Corner 17
Brightness	Max	G Drive	160	H-Bottom Corner 19
ABL	150	B Drive	160	V-Linearity 145
		Sub CONT	190	

5. Adjustment for Factory Mode (Preset Mode).

- 1) Display cross hatch pattern at Mode 1.
- 2) Run alignment program for EV500A on the IBM compatible PC.
- 3) Power button of the monitor turn off → turn on.
- 4) COMMAND → START → Y(Yes) command.
- 5) DIST. ADJ. → TILT command.
- 6) Adjust tilt as arrow keys to be the best condition.
- 7) DIST. ADJ. → BALANCE command.
- 8) Adjust balance of side-pincushion as arrow keys to be the best condition.
- 9) DIST. ADJ. → BALANCE command.
- 10) Adjust parallelogram as arrow keys to be the best condition.
- 11) DIST. ADJ. → FOS. ADJ command.
- 12) Adjust V-SIZE as arrow keys to 200±1mm.
- 13) Adjust V-POSITION as arrow keys to center of the screen.
- 14) Adjust H-SIZE as arrow keys to 270±1mm.
- 15) Adjust H-POSITION as arrow keys to center of the screen.
- 16) Adjust S-PCC (Side-Pincushion) as arrow keys to be the best condition.
- 17) Adjust TRAPEZOID as arrow keys to be the best condition.
- 18) Display from Mode 1 to Mode 8 and repeat above from number 12) to 17).
- 19) PRESET EXIT → Y (Yes) command.

6. Adjustment for White Balance and Luminance.

- 1) Set the White Balance Meter.
- 2) Press the DEGAUSS on the OSD menu for demagnetization of the CDT.
- 3) Set SUB-Brightness to 50(decimal) and G-BIAS to 127(decimal), and R-BIAS and B-BIAS to min position.
- 4) Display color 0,0 pattern at Mode 5.
- 5) COLOR ADJ. → LUMINANCE command of the alignment program.
- 6) COLOR ADJ. → BIAS ADJ. command of the alignment program.
- 7) Adjust screen control on the FBT to 0.50±0.05FL of the raster luminance. If it's not green color, the monitor must repair.
- 8) Adjust R-BIAS and B-BIAS command to $x=0.281±0.005$ and $y=0.311±0.005$ on the White Balance Meter with PC arrow keys.
- 9) Display color 15,0 box pattern (70x70mm) at Mode 5.

- 10) Set Contrast and SUB-Contrast to 190(decimal) position.
- 11) DRIVE ADJ command.
- 12) Set G-DRIVE to 160(decimal) at DRIVE of the alignment program.
- 13) Adjust R-DRIVE and B-DRIVE command to white balance $x=0.281\pm0.002$ and $y=0.311\pm0.002$ on the White Balance Meter with PC arrow keys.
- 14) Adjust SUB-CONTRAST command to $52\pm0.5FL$ of the color 15,0 box pattern (70x70mm) luminance at mode 3 and save in color 1.

- 15) Display color 15,0 full white patten at Mode 5.
- 16) COLOR ADJ. → LUMINANCE → ABL command.
- 17) Adjust ABL to $40\pm0.5FL$ of the luminance.
- 18) Send ABL & H SIZE compensation command.
- 19) Exit from the program.

7. Adjustment for Focus.

- 1) Display H character in full screen at Mode 7.
- 2) Adjust Focus control on the FBT that focus should be the best condition.

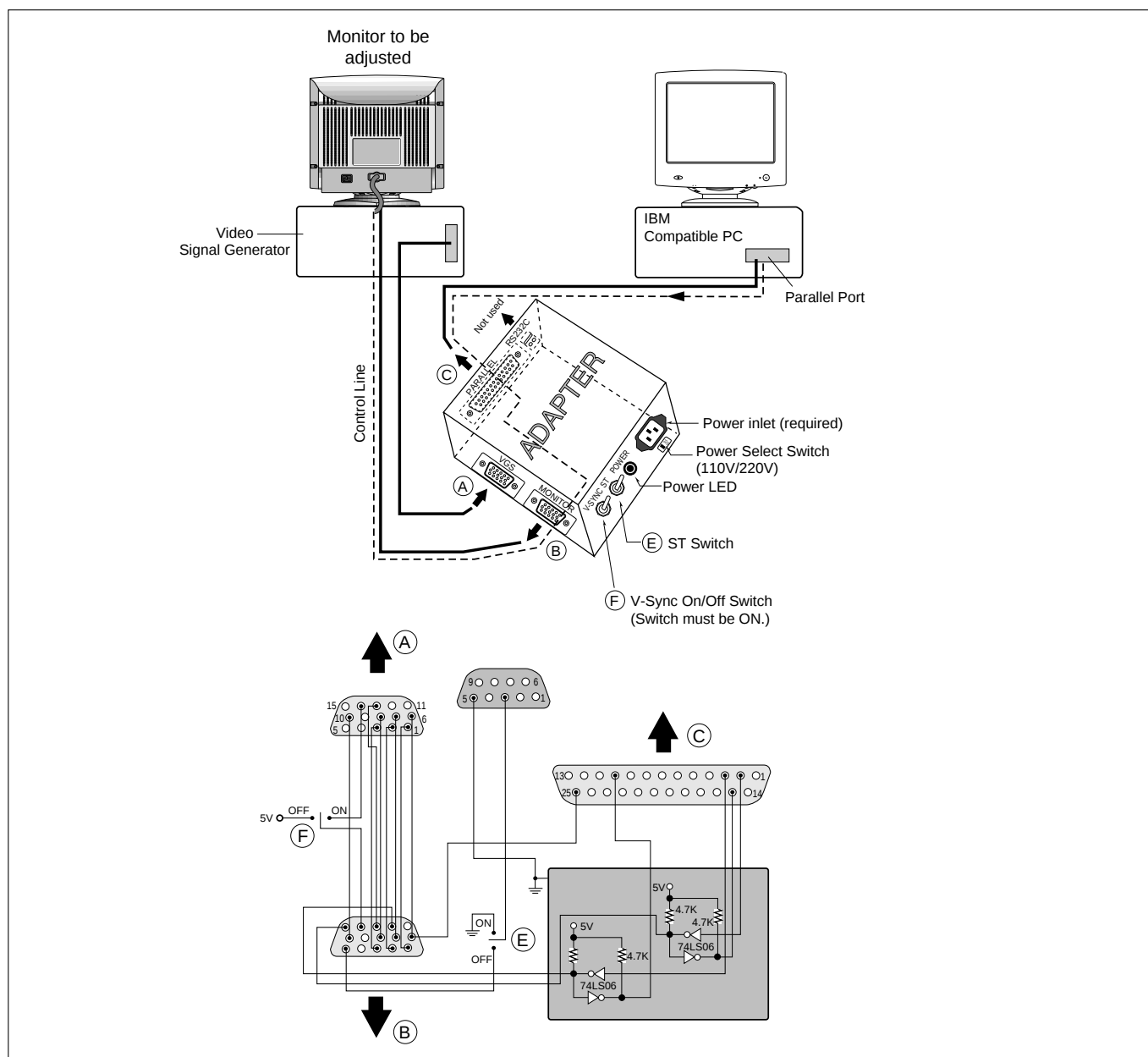
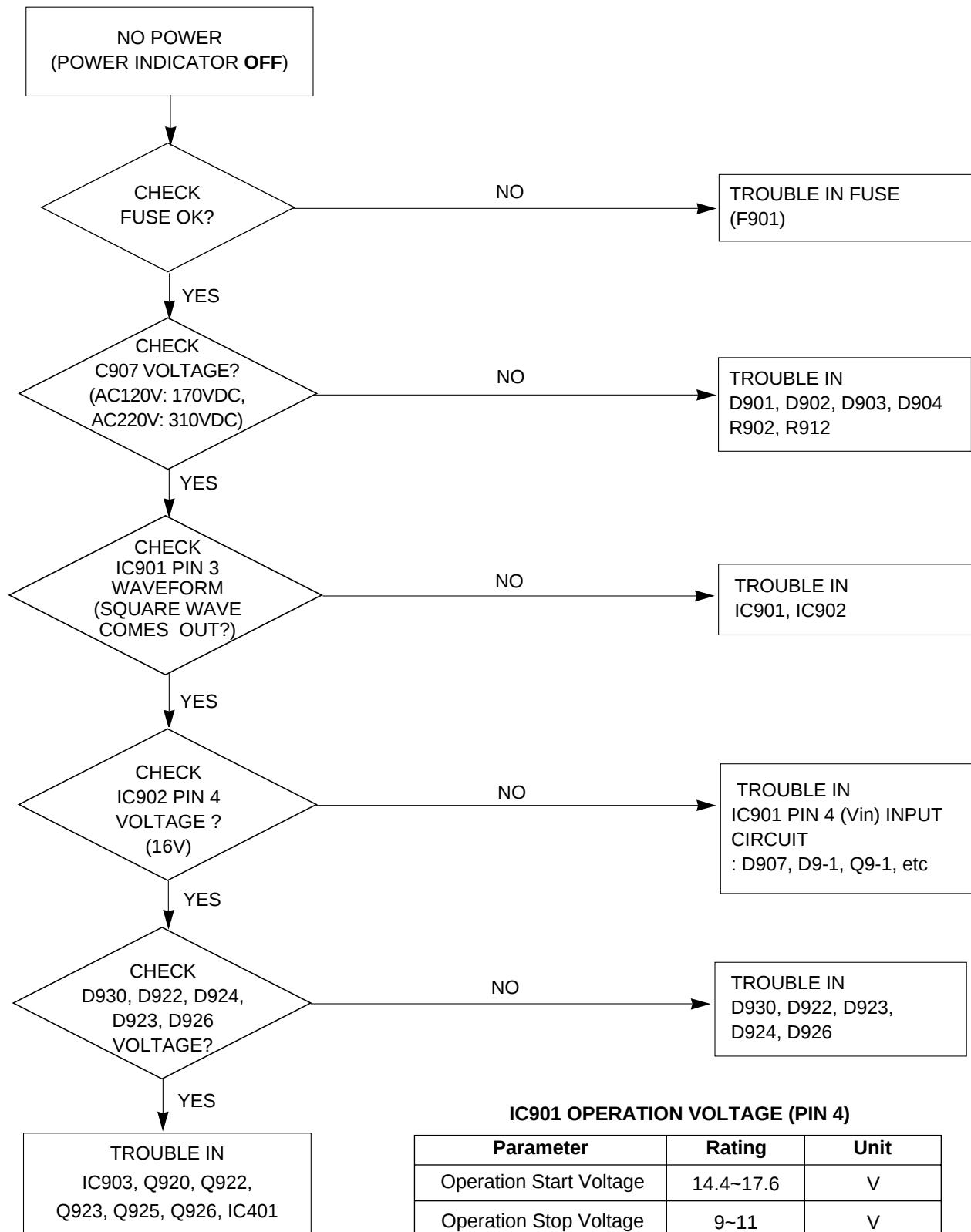


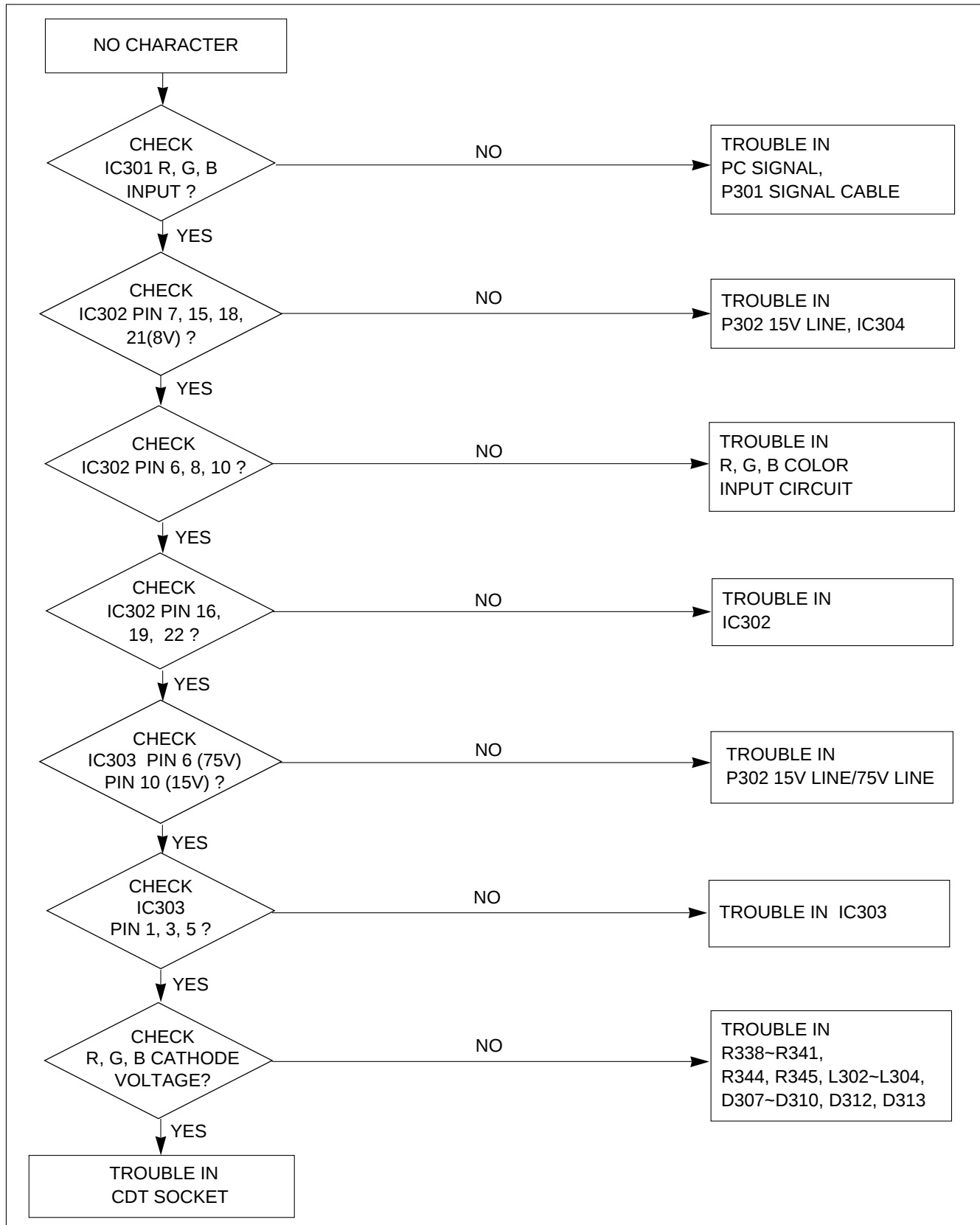
Figure 1. Cable Connection

TROUBLESHOOTING GUIDE

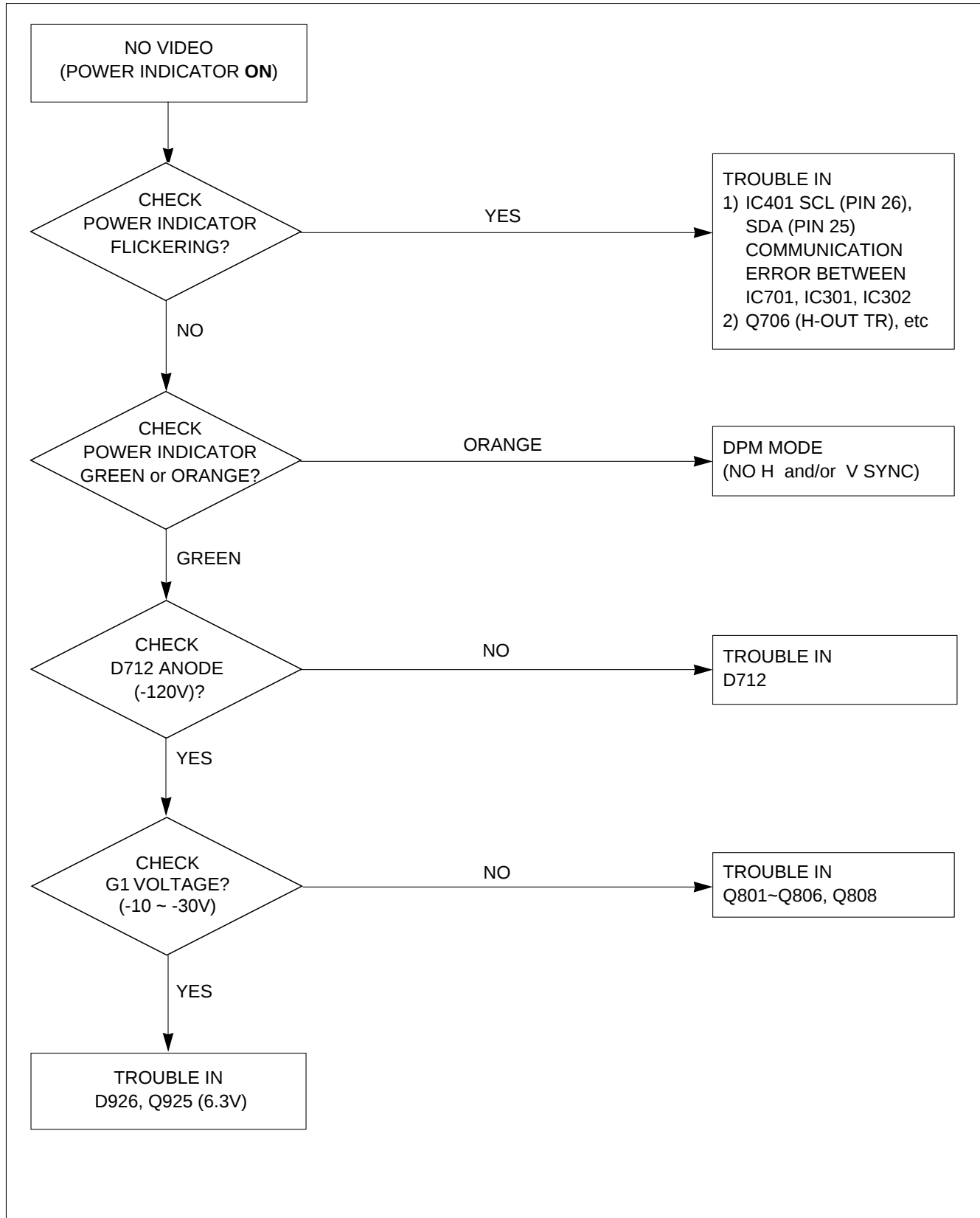
1. NO POWER



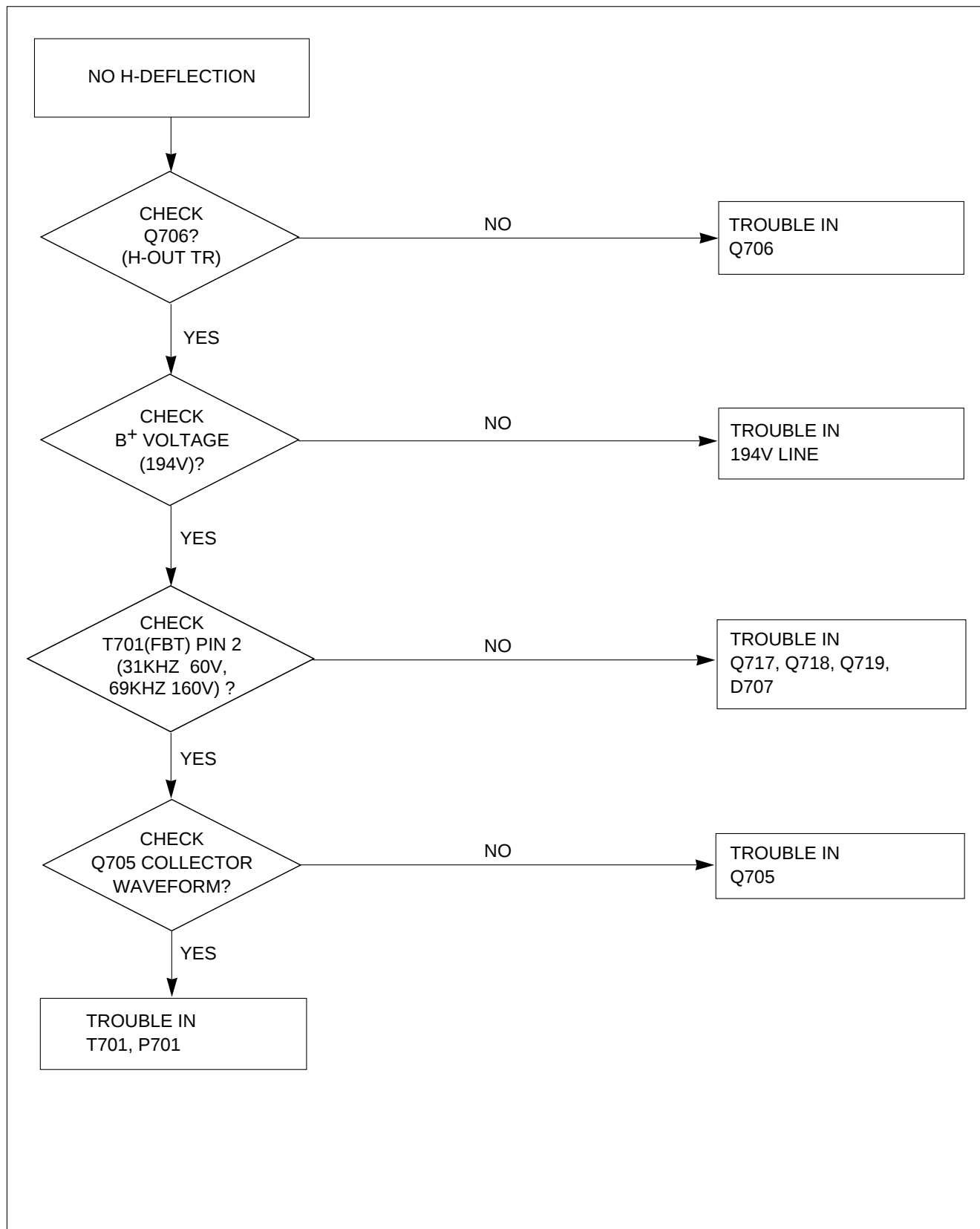
2. NO CHARACTER



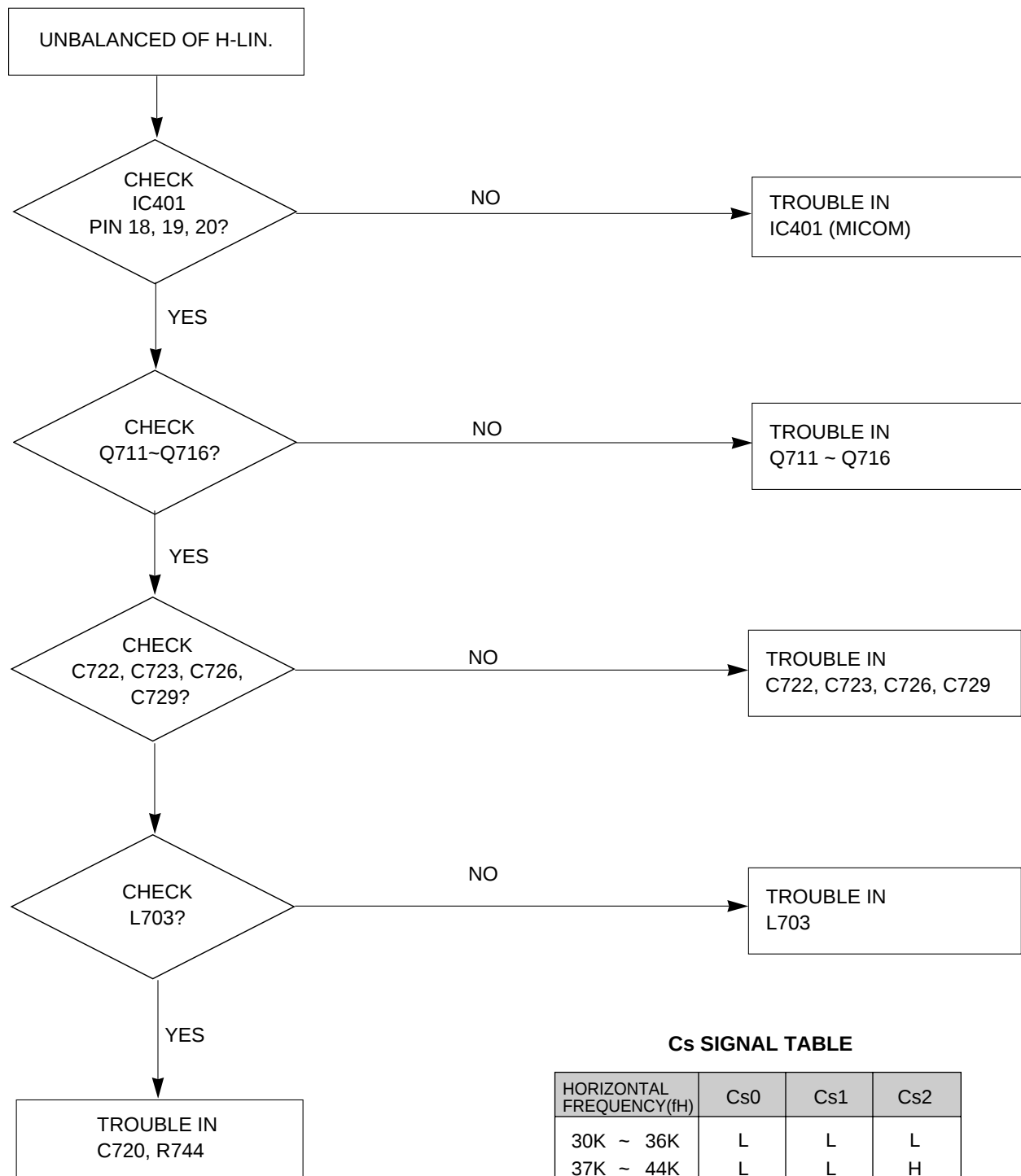
3. NO RASTER



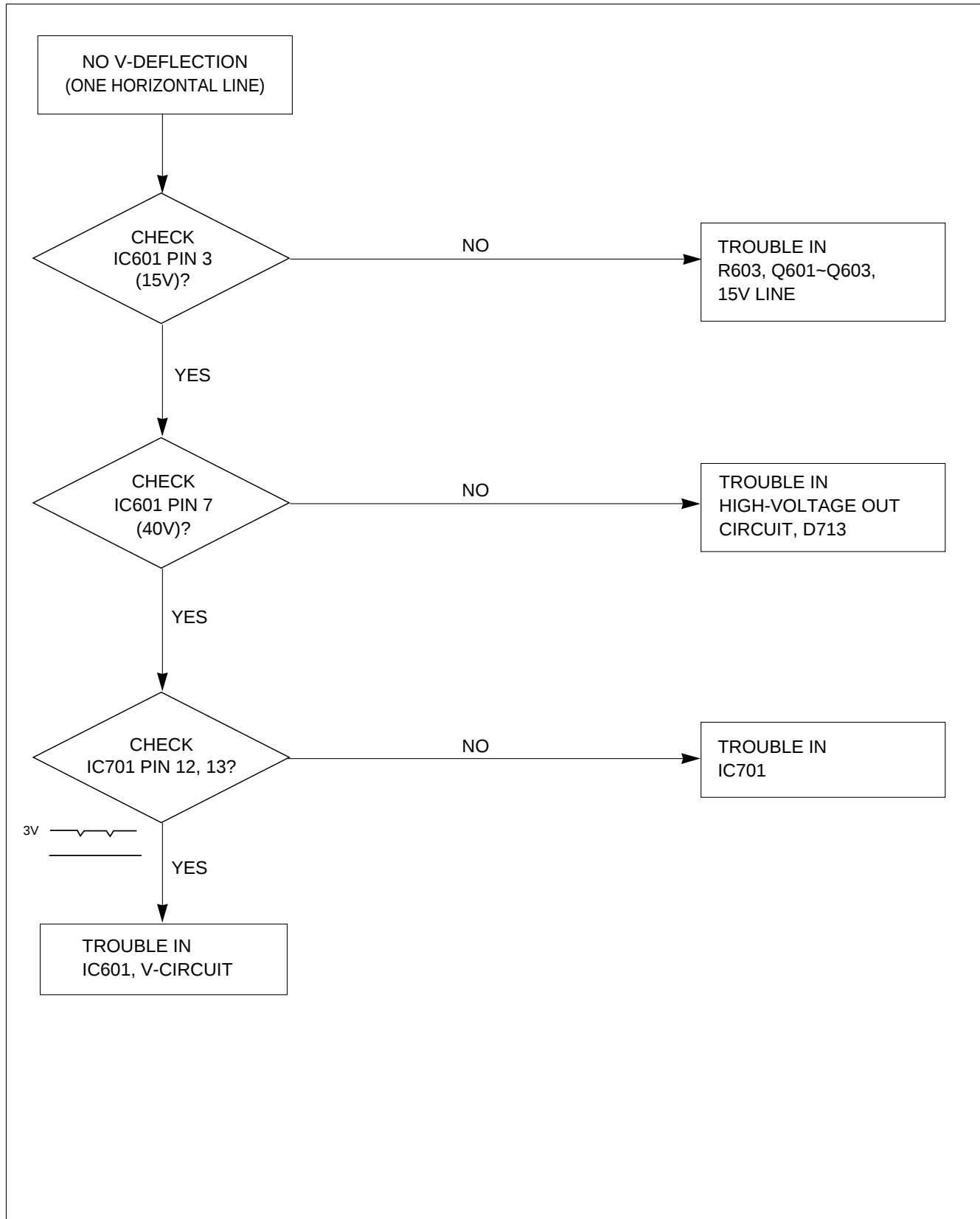
4. NO HORIZONTAL DEFLECTION



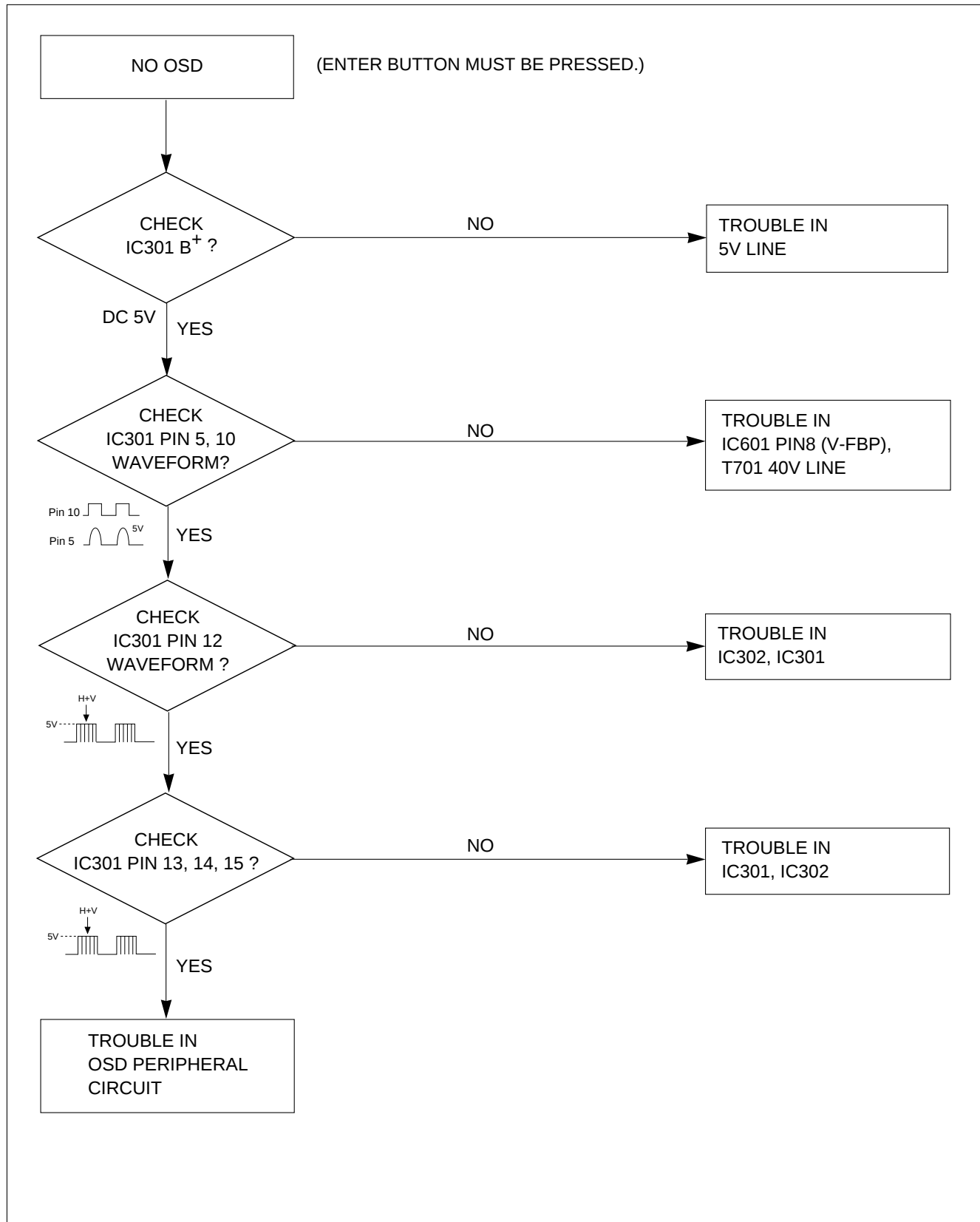
5. TROUBLE IN H-LINEARITY



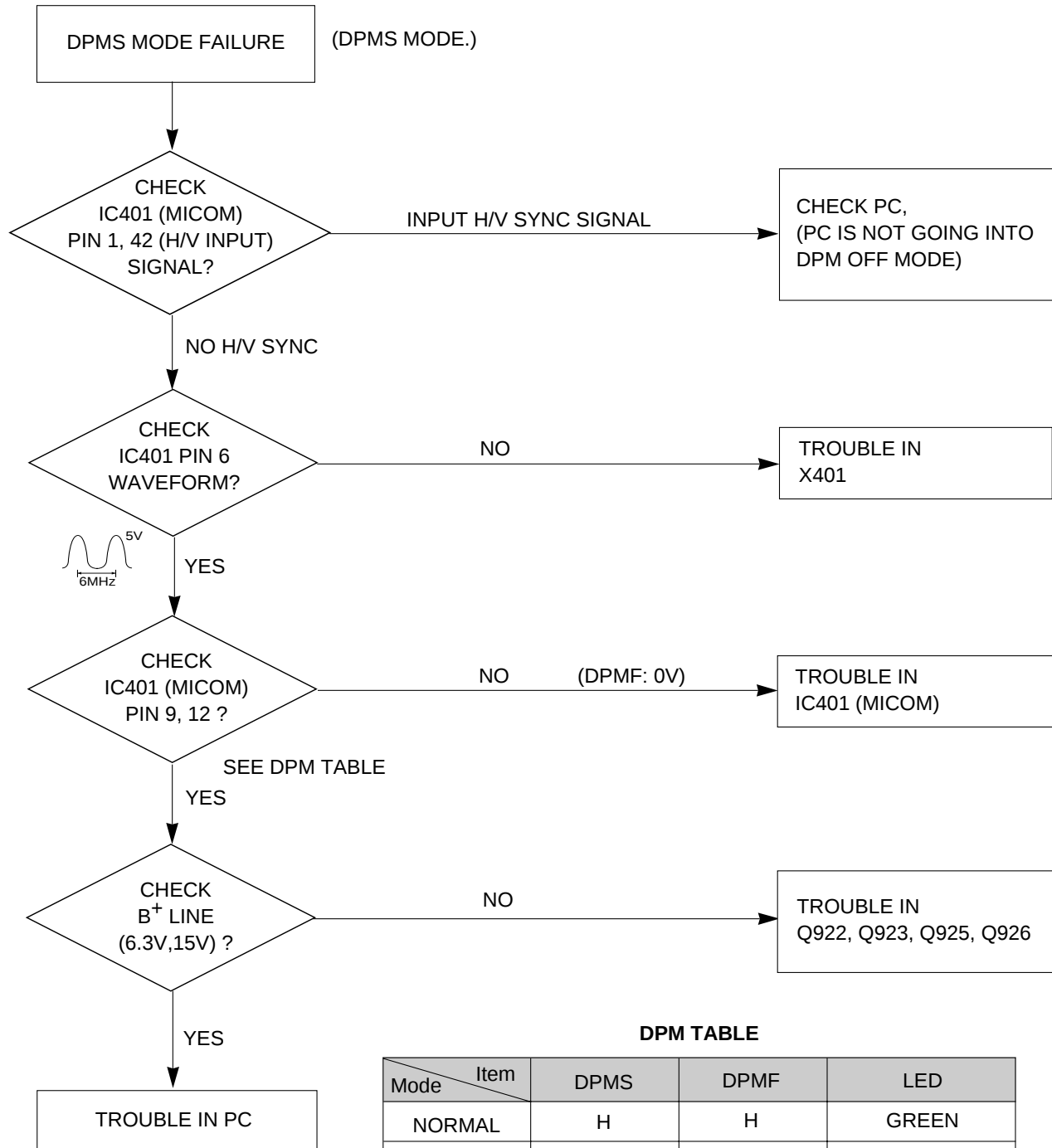
6. NO VERTICAL DEFLECTION



7. TROUBLE IN OSD



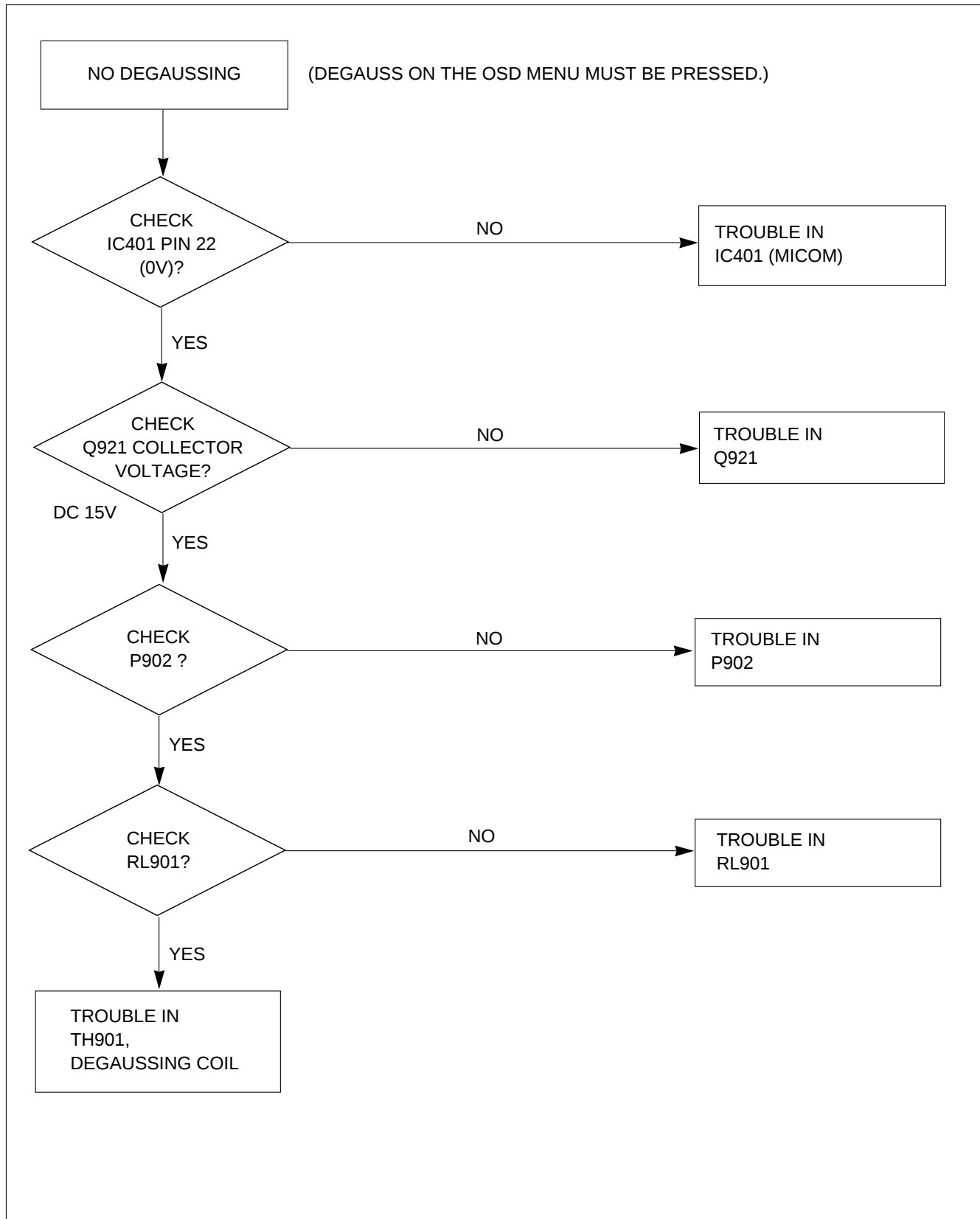
8. TROUBLE IN DPM



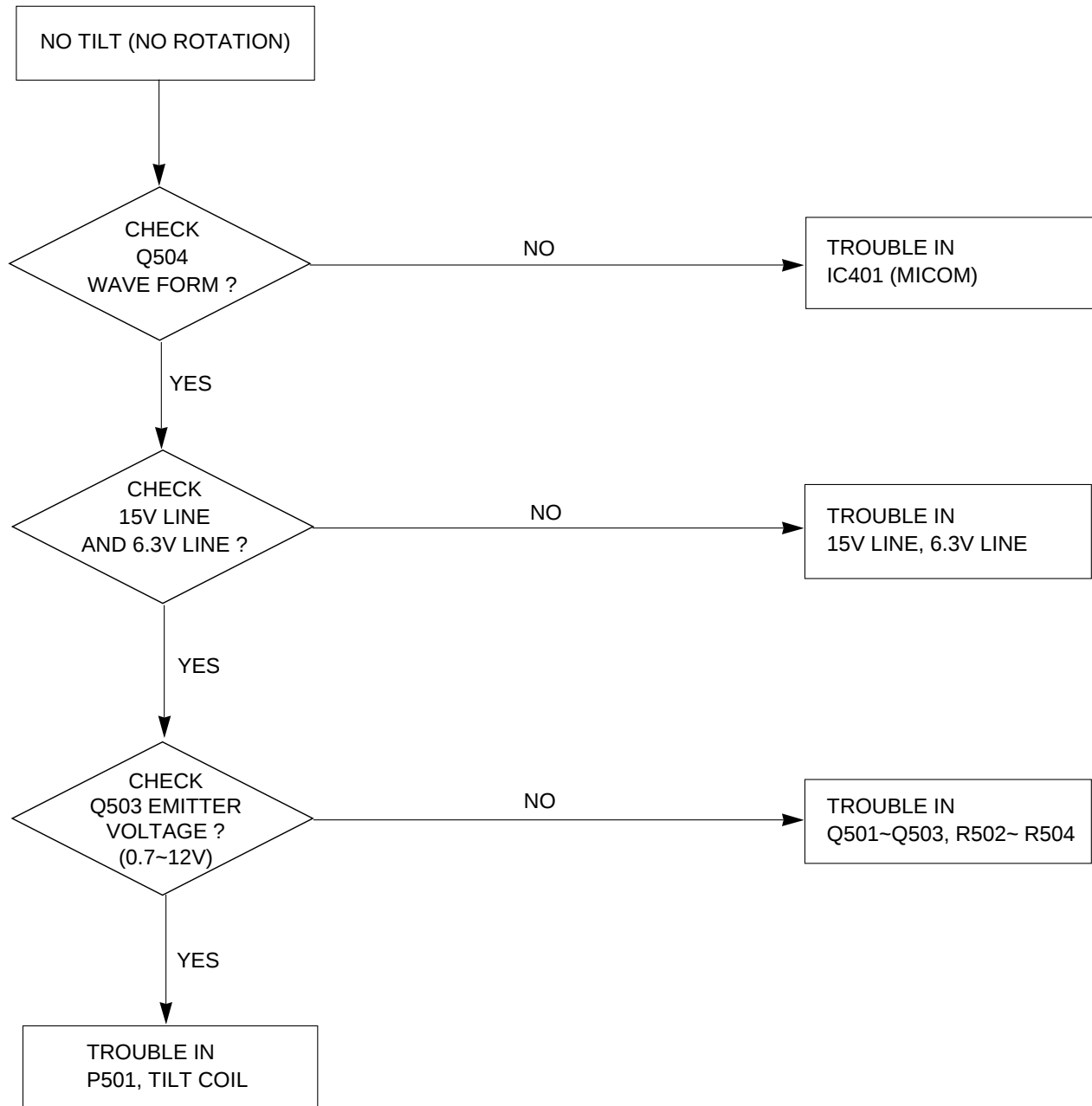
DPM TABLE

Mode \ Item	DPMS	DPMF	LED
NORMAL	H	H	GREEN
STAND-BY	H	L	ORANGE
SUSPEND	H	L	ORANGE
OFF	L	L	ORANGE

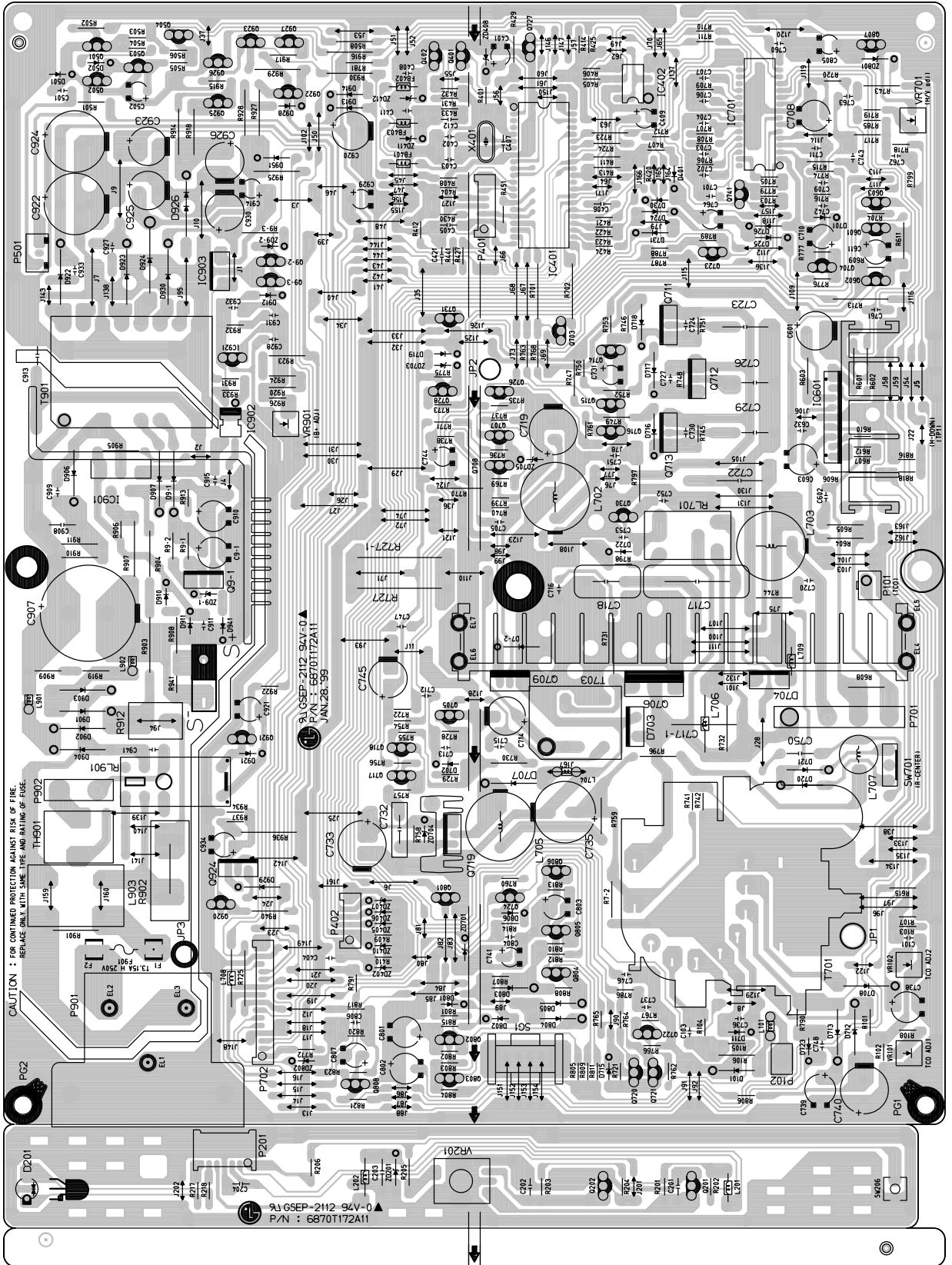
9. NO DEGAUSSING



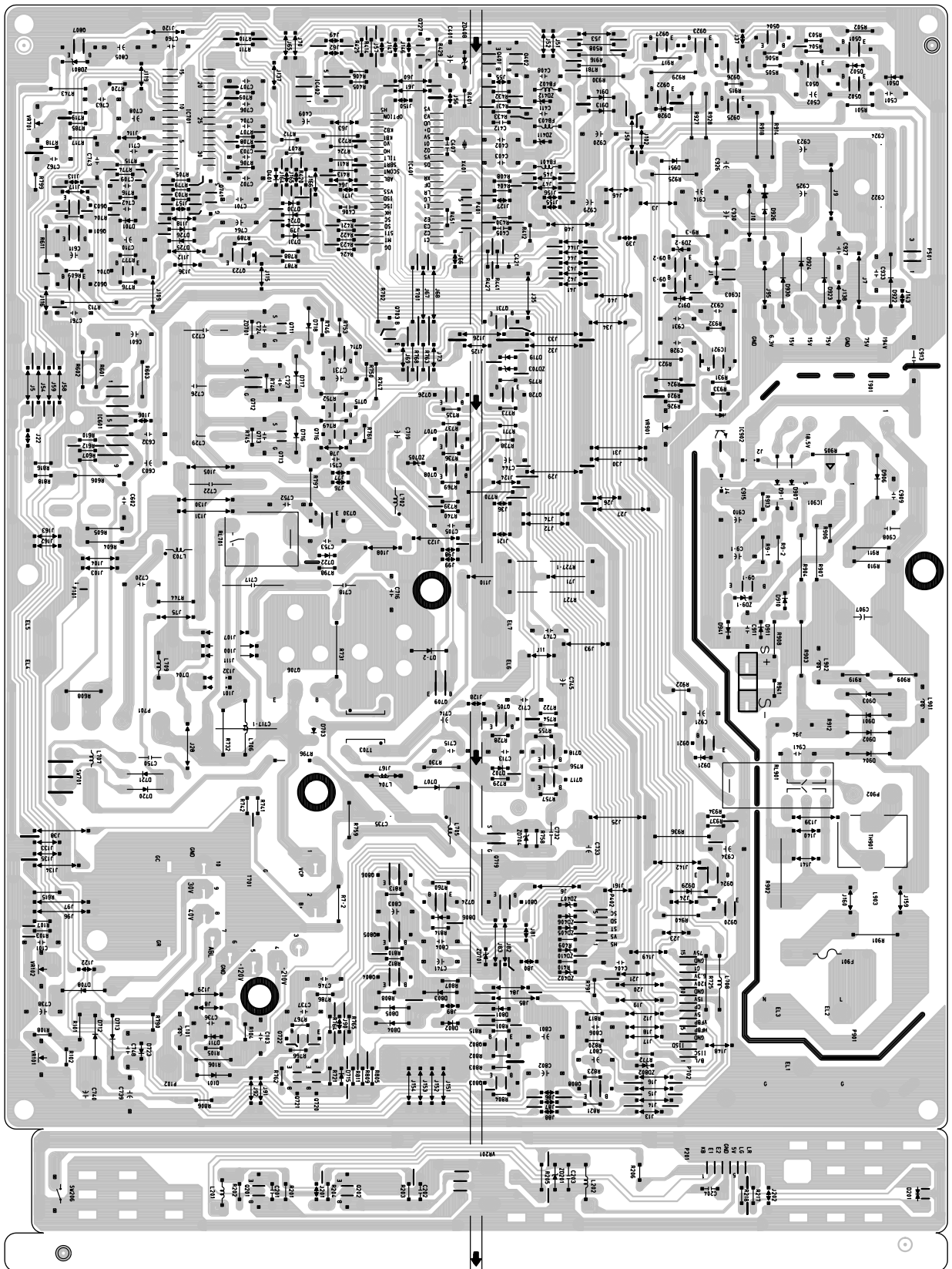
10. NO TILT (NO ROTATION)



1. MAIN BOARD (Component Side)



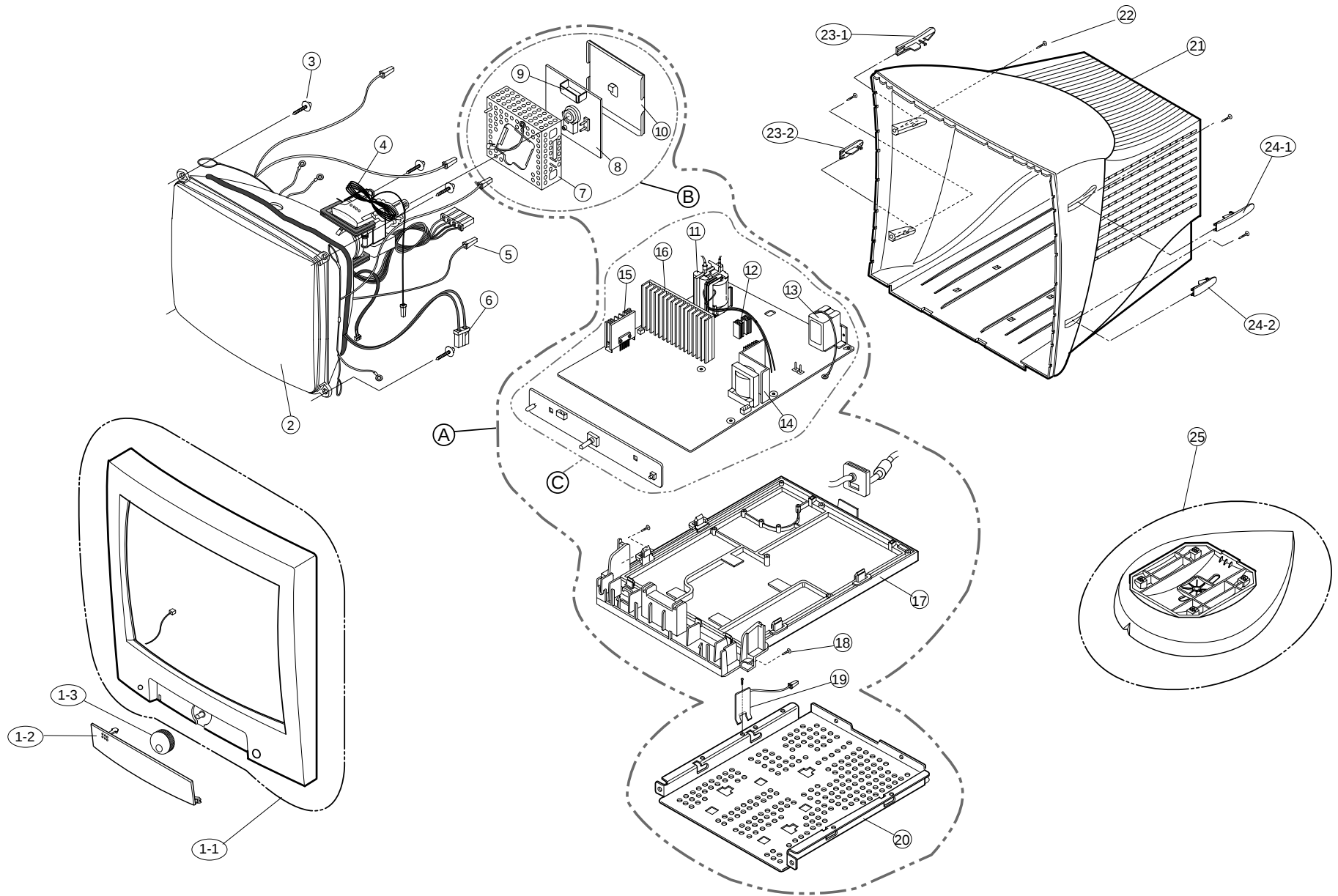
2. MAIN BOARD (Solder Side)



3. VIDEO BOARD (Component Side)



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No	Part No.	Description	Q'ty	Material	* Remark
1-1	3091TKB020K	CABINET ASS'Y	1	GE SEA #2	L
1-2	3580TKK014B	DOOR	1	LGC. AF303S	
1-3	4940TKC013A	KNOB, CONTROL, ROTARY	1	LGC. AF303S	
2	2423GB0A87B	CDT, M36LBL803X45N6AA, For Northern Hemisphere	1		
	2423GB0A87D	CDT, M36LBL803X45S6AA, For Southern Hemisphere			
3	339-002D	SCREW, PHP+5x30BP+GW18	4		
4	6631T11005A	TCO OPEN LOOP WIRE	1		
5	6868T15002A	CDT GROUND WIRE	1		
6	150-A29A	DEGAUSSING COIL	1		L
7	4815TKV016C	BRACKET, VIDEO FRONT	1		
8	6871TVH089A	PCB ASS'Y, VIDEO	1	SPTE-C (t=0.3)	
9	4920TKP015A	PLATE, HEAT SINK FOR IC303	1		
10	4815TKV017C	METAL ASS'Y, VIDEO REAR SHIELD	1		
11	6174Z-1017A	FBT, FMTC51	1	SPTE-C (t=0.3)	
12	407-T20F	PLATE, HEAT SINK FOR Q719	1		
13	6200TJB001D	AC SOCKET	1	AL (t=2.0)	
14	407-T73D	PLATE, HEAT SINK FOR IC901	1		
15	407-T98M	PLATE, HEAT SINK FOR IC601	1	AL (t=2.0)	
16	4920TKC003G	COMPRESS, HEAT SINK FOR D704, Q709, Q706	1	AL	
17	4810TKM033A	MAIN BRACKET	1	LGC ABS	L
18	332-102G	SCREW, PTP+4x30	2	AF303S	
19	407-T83C	PLATE, SHIELD(FBT)	1		
20	4950TKK104A	BOTTOM SHIELD	1	SBHGI-A	
21	3809TKB004F	BACK COVER	1	GE SEA #2	L
22	332-102G	SCREW, PTP+4x30	4		
23-1	3550TKK002B	SCREW COVER, TOP LEFT	1	ABS AF303S	
23-2	3550TKK003B	SCREW COVER, BOTTOM LEFT	1	ABS AF303S	
24-1	3550TKK002A	SCREW COVER, TOP RIGHT	1	ABS AF303S	
24-2	3550TKK003A	SCREW COVER, BOTTOM RIGHT	1	ABS AF303S	
25	3043TKK007A	TILT SWIVEL	1	HIPS 60HR	L
A	6871TVT089A	PCB ASS'Y, VIDEO TOTAL	1		
B	6871TMT100A	PCB ASS'Y, MAIN TOTAL	1		
C	3313T15042A	CHASSIS ASS'Y, MAIN TOTAL	1		

* Remark 'L' are local sourcing parts in Mexico factory of the LG Electronics Inc.

REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS,
READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.

* NOTE : **S** SAFETY Mark 
AL ALTERNATIVE PARTS

MODEL: EV500				DATE: 1999. 3. 16.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
MAIN BOARD					
CAPACITORS					
		C101	0CK2210W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 220P 500V	
		C103	0CK2710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 500V	
		C201	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C202	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C203	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C204	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C401	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C402	0CC2200K405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 22P 50V	
		C403	0CC2200K405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 22P 50V	
		C404	0CK2210K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 220P 50V K B	
		C405	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C406	0CN3310K519	CAPACITOR, TUBULAR(HIGH DIELEC), 330P 50V K B TA52	
		C407	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C408	0CK1020K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000PF 50V K B	
		C409	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C411	0CK1010K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 50V K B TR	
		C412	0CN2210K519	CAPACITOR, TUBULAR(HIGH DIELEC), 220P 50V K B TA52	
		C421	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C501	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C502	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C601	0CE477CH618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 25V M FL TP5	
		C602	0CK4730K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.047UF 50V Z F	
		C603	0CE4766K618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 50V M FM5 TP(5)	
		C611	0CE4766H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C632	0CK1020W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 500V	
		C701	181-288N	CAPACITOR, POLYESTER, MKT 100V 103JTR PHS86103	
	or	C701	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C702	181-288N	CAPACITOR, POLYESTER, MKT 100V 103JTR PHS86103	
	or	C702	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C703	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
	or	C703	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C704	0CZZTFT001F	CAPACITOR, ECQB1H332JM3 332J 50V TP5.0 MATSUSHITA	
	or	C704	0CQ3321N419	CAPACITOR, POLYESTER, 3300P 100V J POLY NI TP	
		C705	181-288N	CAPACITOR, POLYESTER, MKT 100V 103JTR PHS86103	
	or	C705	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C706	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
	or	C706	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C707	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
	or	C707	0CZZTFT002B	CAPACITOR, ECQV1H154JZ3 154J 50V TP5.0 MATSUSHITA	
		C708	0CE477CF618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 16V M FL TP5	

MODEL: EV500				DATE: 1999. 3. 16.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C709	0CK1020K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000PF 50V K B	
		C710	0CE4756K618	CAPACITOR, AL.ELECTROLYTIC, 4.7U SMS 50V M FM5 TP5	
		C711	0CZZTFT001D	CAPACITOR, ECQB1H222JM3 222J 50V TP5.0 MATSUSHITA	
	or	C711	0CQ2221N419	CAPACITOR, POLYESTER, 2200PF 100V J PE NI TP	
		C712	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C713	0CC2210K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 220P 50V J NPC	
		C714	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C715	181-288N	CAPACITOR, POLYESTER, MKT 100V 103JTR PHS86103	
	or	C715	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C716	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
	or	C716	0CZZTFT002B	CAPACITOR, ECQV1H154JZ3 154J 50V TP5.0 MATSUSHITA	
△		C717	181-292F	CAPACITOR, POLYPROPYLENE, 512H 31.0*16.5*9.5*20.0 1.6KV	
		C718	0CBZTBU003L	CAPACITOR, POLYPROPYLENE, 532J 20.0*13.5*8.0*10.0 800V	
		C719	0CZZTAB001A	CAPACITOR, SM-BP(P)/BP 10UF 50V 13*25 BK5	
		C720	0CK1020W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 500V	
		C722	181-303R	CAPACITOR, POLYPROPYLENE, 304J 31.0*21.0*13.0*20.0 250V	
		C723	181-305J	CAPACITOR, POLYPROPYLENE, 474J 26.0*17.0*10.5*15.0 250V	
		C724	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C726	181-305F	CAPACITOR, POLYESTER, MPP 250V 274J S=10.0	
		C727	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C729	181-305D	CAPACITOR, POLYPROPYLENE, 184J 19.0*15.0*8.5*10.0 250V	
		C730	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C731	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5	
		C732	181-302U	CAPACITOR, POLYPROPYLENE, 333J 19.5*13.0*7.5*10.0 250V	
		C733	0CE2266R630	CAPACITOR, AL.ELECTROLYTIC, 22U SMS 250V M FM5	
		C735	0CE4766Q630	CAPACITOR, AL.ELECTROLYTIC, 47UF SMS 200V M FM5 BULK	
		C736	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C737	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C738	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
		C739	0CE4766K618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 50V M FM5 TP(5)	
		C740	0CE476CP630	CAPACITOR, AL.ELECTROLYTIC, 47UF SHL 160V M FM5 BULK	
		C741	0CE1056K618	CAPACITOR, AL.ELECTROLYTIC, 1.0U SMS 50V M FM5 TP5	
		C742	181-288N	CAPACITOR, POLYESTER, MKT 100V 103JTR PHS86103	
	or	C742	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C743	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
	or	C743	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C744	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C745	0CE108CH630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FM5 BULK	
		C746	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
	or	C746	0CZZTFT002H	CAPACITOR, ECQV1H474JZ3 474J 50V TP5.0 MATSUSHITA	
		C747	0CZZTFT001J	CAPACITOR, ECQB1H562JM3 562J 50V TP5.0 MATSUSHITA	
	or	C747	0CQ5621N419	CAPACITOR, POLYESTER, 5600P 100V J POLY NI TP	
		C748	0CK2710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 500V	
		C750	181-302Q	CAPACITOR, POLYPROPYLENE, 153J 19.5*12.0*7.0*10.0 250V	
		C760	0CC6800K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 68P 50V	
		C761	181-288T	CAPACITOR, POLYESTER, MKT 100V 223KTR PHS85223	
		C762	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
	or	C762	0CZZTFT002H	CAPACITOR, ECQV1H474JZ3 474J 50V TP5.0 MATSUSHITA	
		C763	181-288K	CAPACITOR, POLYESTER, MKT 100V 683JTR PHS26683	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C764	181-310A	CAPACITOR, AL.ELECTROLYTIC, 10UF SM-BP(D) 5*11 16V	
		C801	0CE477CF618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 16V M FL TP5	
		C802	0CE335CP638	CAPACITOR, AL.ELECTROLYTIC, 3.3000UF SHL 160V M FM5	
		C803	0CE335CP638	CAPACITOR, AL.ELECTROLYTIC, 3.3000UF SHL 160V M FM5	
		C804	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C805	0CE1066K618	CAPACITOR, AL.ELECTROLYTIC, 10M SMS 50V M FM5 TP(5)	
		C806	181-288P	CAPACITOR, POLYESTER, MKT 100V 153JTR PHS86153	
	or	C806	0CZZTFT001P	CAPACITOR, ECQB1H153JM3 153J 50V TP5.0 MATSUSHITA	
		C807	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C9-1	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
⚠		C907	181-124R	CAPACITOR, AL.ELECTROLYTIC, 220UF SMG(25.4*40) 400V M	
		C908	181-308V	CAPACITOR, POLYPROPYLENE, 393J 20.0*21.0*13.5*10.0 630V	
		C909	0CK10101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 1KV K B TR	
		C910	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
		C911	0CK1520K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1500P 50V K B	
⚠		C913	0CKZTBU003C	CAPACITOR, CERAMIC (HIGH DIELECTRIC), SC E 472M 14.0BW	
		C915	0CK1030K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.01UF 50V Z F TR	
		C920	0CE2276H618	CAPACITOR, AL.ELECTROLYTIC, 220U SMS 25V M FM5 TP(5)	
		C921	0CE4766H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C922	0CE107CR650	CAPACITOR, AL.ELECTROLYTIC, 100UF SHL 250V M FM7.5	
		C923	0CE107CN630	CAPACITOR, AL.ELECTROLYTIC, 100U SHL 100V M FM5	
		C924	0CE476CR630	CAPACITOR, AL.ELECTROLYTIC, 47UF SHL,SD 250V M FM5	
		C925	0CE108CH630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FM5 BULK	
		C926	0CE108CF630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FM5 BULK	
		C927	0CK1010W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100P 500V	
		C928	181-288C	CAPACITOR, POLYESTER, MKT 100V 224JTR PHS 26224	
	or	C928	0CZZTFT002D	CAPACITOR, ECQV1H224JZ3 224J 50V TP5.0 MATSUSHITA	
		C929	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C930	0CE477CH618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 25V M FL TP5	
		C931	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
	or	C931	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C932	0CC8200K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 82P 50V	
		C933	0CK10101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 1KV K B TR	
		C934	0CE2256R638	CAPACITOR, AL.ELECTROLYTIC, 2.2000UF SMS 250V M FM5	
DIODEs					
		D7-2	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D9-1	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A	
		D101	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D201	0DL300009AE	LED, LTL-30EFJ TP LITEON RED D = 5 TWO COLOR	
		D401	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D501	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D502	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D701	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D702	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
⚠		D703	0DR320000BA	DIODE, RECTIFIER, DTV32F BK SGS-THOMSON TO220FN 1500V	
⚠		D704	0DR565000AA	DIODE, RECTIFIER, DMV56F5 BK SGS-THOMSON TO220AB	
		D707	0DR210009AB	DIODE, RECTIFIER, RL2AV(1) TP SANKEN A-TMD 600V 1.1A	
		D708	0DR100009EA	DIODE, RECTIFIER, RGP10G[CHN] TP G.I DO204AL 400V 1A	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
	or	D708	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A	
		D711	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D712	0DR100009EA	DIODE, RECTIFIER, RGP10G[CHN] TP G.I DO204AL 400V 1A	
	or	D712	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A	
		D713	0DR100009DB	DIODE, RECTIFIER, RGP10D[CHN] TP G.I DO204AL 200V 1A	
	or	D713	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A	
		D715	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D716	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D717	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D718	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D719	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D720	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D721	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D723	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D724	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D725	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D726	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D730	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D731	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D801	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D802	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D803	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D804	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D805	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A	
		D806	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D901	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A	
		D902	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A	
		D903	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A	
		D904	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A	
		D906	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A	
		D907	0DR100009DB	DIODE, RECTIFIER, RGP10D[CHN] TP G.I DO204AL 200V 1A	
	or	D907	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A	
		D910	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D911	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D912	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D913	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D914	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D921	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
△		D922	0DD200009AH	DIODE, RECTIFIER, RU2AMV(1) TP SANKEN R-TMD 600V 1.1A	
△		D923	0DD200009AH	DIODE, RECTIFIER, RU2AMV(1) TP SANKEN R-TMD 600V 1.1A	
△		D924	0DD540200AA	DIODE, RECTIFIER, UF5402 (19C2-409) BK G.I DO201AD 200V	
		D926	0DR240000CA	DIODE, RECTIFIER, RN2Z(LF-C4) BK SANKEN NON 200V 2A	
		D928	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D929	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
△		D930	0DR100009EA	DIODE, RECTIFIER, RGP10G[CHN] TP G.I DO204AL 400V 1A	
△	or	D930	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A	
		D941	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		D951	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		ZD201	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		ZD402	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD405	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD406	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD407	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD408	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD410	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD703	0DZ120009AF	DIODE, ZENER, MTZJ12B TP ROHM-K DO34 500MW 12V 5MA	
		ZD704	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD705	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD801	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD802	0DZ820009AH	DIODE, ZENER, MTZJ8.2B TP ROHM-K DO34 500MW 8.2V 5MA	
		ZD9-1	0DZ150009AD	DIODE, ZENER, MTZJ15B TP ROHM-K DO34 500MW 15V 5MA	
		ZD9-2	0DZ680009BB	DIODE, ZENER, MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5MAA	
ICs					
		IC401	0IZZTSZ026A	IC[HYBRID], 0IMO680516A+LABEL ASSY(CG571A),	
		IC402	0ISG240860A	IC, SGS-THOMSON, M24C08-BN6 8DIP BK 8K SERIAL IIC BUS	
	or	IC402	0IAL240800A	IC, ATMEL, AT24C08 8D EEPROM(8K,IIC)	
		IC601	0IPH486650A	IC, PHILIPS, TDA4866/V5 SIL9P BK VERTICAL DEFLECTION IC	
		IC701	0IPH485600A	IC, PHILIPS, TDA4856 SDIP32 BK IIC DEFLECTION CONT. IC	
		IC901	0ISK665413B	IC, SANKEN, STR-F6654A[LF1351] 5P BK SWITCHING REGU.	
△		IC902	0ILI817000E	IC, LITEON, LTV-817M B 4P BK PHOTO COUPLER CTR(130-260,	
		IC903	0ISS780500F	IC, SAMSUNG ELECTRONICS, KA7805	
		IC921	0IKE431000B	IC, KEC, KIA431 (TP)	
COILS & CORES					
		FB401	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM	
	or	FB401	6210TCT003J	CORE (CIRC), BEAD, HF55 TDK-K 2.6*6.0MM AXIAL52MM	
		FB402	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM	
	or	FB402	6210TCT003J	CORE (CIRC), BEAD, HF55 TDK-K 2.6*6.0MM AXIAL52MM	
		FB403	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM	
	or	FB403	6210TCT003J	CORE (CIRC), BEAD, HF55 TDK-K 2.6*6.0MM AXIAL52MM	
		L101	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM	
		L201	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		L202	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		L702	150-518N	COIL, CHOKE, DR14*20 180UH 0.12*25MM 57.5T	
		L703	150-L05T	COIL, LINEARITY, DR14*15 14*7T 6UH 0.12*30MM 20.5T	
		L705	150-985K	COIL, CHOKE, DR14*20 2.8MH 0.35MM 235.5T D/D CHOKE	
		L706	125-054C	CORE (CIRC), FERRITE, L82 SAMHWA OP6.35*10*2.6MM BULK	
		L707	150-985G	COIL, CHOKE, DR8*11 10MH 0.13MM 568.5T R/CENTER	
		L708	125-155H	CORE (CIRC), BEAD, BFS3510A0FG SAMWHA 3.5*10MM	
	or	L708	6210TCT003H	CORE (CIRC), BEAD, HF55 TDK-K 3.5*10MM AXIAL52MM	
		L709	125-022J	CORE (CIRC), BEAD, FERRITE KQ-1 JS 3.5*5.0MM AXIAL62MM	
		L901	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
	or	L901	6210TCT003G	CORE (CIRC), BEAD, ZBF505S-02TA-K TDK-K 3.5*5.0MM RADIAL	
		L902	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
	or	L902	6210TCT003G	CORE (CIRC), BEAD, ZBF505S-02TA-K TDK-K 3.5*5.0MM RADIAL	
		L903	6200TLT002A	FILTER(CIRC), LINE, RING 19*6*13H 1.0MH 0.5MM 22T CB770	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
TRANSISTORS					
		Q9-1	0TR206100BA	TRANSISTOR, KTD2061-Y CU BK KEC TO220I S NPN TR	
	or	Q9-1	0TR401000CC	TRANSISTOR, KSD401-Y(W/MICA) BK SAMSUNG TO220 NPN	
		Q9-2	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q9-3	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q9-3	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q201	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q202	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q401	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q401	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q402	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q501	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
	or	Q501	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q502	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q502	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q503	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q503	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q504	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q504	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q601	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q602	0TR928009AB	TRANSISTOR, KSA928A-Y TP SAMSUNG TO92L PNP	
	or	Q602	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q603	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q703	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q704	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q704	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
⚠		Q705	0TR200009AB	TRANSISTOR, KTC200-Y TP KEC TO92 NPN	
		Q706	0TR538700AA	TRANSISTOR, 2SC5387 BK TOSHIBA TO3PF NPN HV TR	
		Q707	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q707	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q708	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q708	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q709	0TR141300AB	TRANSISTOR, KTD1413 BK KEC TO220IS NPN	
		Q711	0TF630000AC	FET, IRF630M BK SGS-THOMSON 200V 9A TO220	
		Q712	0TF630000AC	FET, IRF630M BK SGS-THOMSON 200V 9A TO220	
		Q713	0TF630000AC	FET, IRF630M BK SGS-THOMSON 200V 9A TO220	
		Q714	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q714	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q715	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q715	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q716	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q716	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q717	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
	or	Q717	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q718	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q718	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q719	0TF306000AA	FET, 2SJ306 BK SANYO -250V -3A TO220ML	
		Q720	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q720	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		Q721	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q721	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q722	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q722	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q723	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q723	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q724	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q724	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q726	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q727	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q728	0TR200009AB	TRANSISTOR, KTC200-Y TP KEC TO92 NPN	
		Q731	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q731	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q741	0TF982009AA	FET, 2SK982 TP TOSHIBA 60V 0.2A TO92	
		Q801	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q802	0TR101309CC	TRANSISTOR, KSA1013-YTA TP SAMSUNG TO92L PNP	
	or	Q802	0TR127509AC	TRANSISTOR, KTA1275-Y(KTA1013) TP KEC TO92L PNP	
		Q803	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q803	0TR320609AB	TRANSISTOR, KTC3206-Y,TP(KTC2229),KEC	
		Q804	0TR910009AA	TRANSISTOR, KSA910-YTA TP SAMSUNG TO92L PNP	
	or	Q804	0TR102409AB	TRANSISTOR, KTA1024-Y(KTA949) TP KEC TO92L PNP	
		Q805	0TR910009AA	TRANSISTOR, KSA910-YTA TP SAMSUNG TO92L PNP	
	or	Q805	0TR102409AB	TRANSISTOR, KTA1024-Y(KTA949) TP KEC TO92L PNP	
		Q806	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q806	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q807	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q808	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q808	0TR320609AB	TRANSISTOR, KTC3206-Y,TP(KTC2229),KEC	
		Q920	0TR233009AA	TRANSISTOR, KSC2330-O TP SAMSUNG TO92L NPN	
	or	Q920	0TR320709AA	TRANSISTOR, KTC3207,TP(KTC2482),KEC	
		Q921	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q921	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q922	0TR928009AB	TRANSISTOR, KSA928A-Y TP SAMSUNG TO92L PNP	
	or	Q922	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q923	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q923	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q924	0TR150700AC	TRANSISTOR, KSC1507-Y BK SANSUNG TO220 NPN	
		Q925	0TR928009AB	TRANSISTOR, KSA928A-Y TP SAMSUNG TO92L PNP	
	or	Q925	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q926	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q926	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
RESISTORS					
		R9-1	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R9-2	0RD1502Q609	RESISTOR, FIXED CARBON FILM, 15K 1/4W(3 5% TA52	
		R9-3	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R101	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R102	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
		R103	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R104	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3 5% TA52	
		R105	0RD6804Q609	RESISTOR, FIXED CARBON FILM, 6.8M OHM 1/4 W (3.4) 5%	
		R106	0RN0270G609	RESISTOR, FIXED METAL FILM, 0.27 1/4W 5 TA52	
		R107	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R108	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		R201	0RD5100Q609	RESISTOR, FIXED CARBON FILM, 510 1/4W(3 5% TA52	
		R202	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R203	0RD5100Q609	RESISTOR, FIXED CARBON FILM, 510 1/4W(3 5% TA52	
		R204	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R205	0RD2700Q609	RESISTOR, FIXED CARBON FILM, 270 1/4W(3 5% TA52	
		R206	0RD1300Q609	RESISTOR, FIXED CARBON FILM, 130 1/4W(3 5% TA52	
		R217	0RD3600Q609	RESISTOR, FIXED CARBON FILM, 360 1/4W(3 5% TA52	
		R218	0RD3600Q609	RESISTOR, FIXED CARBON FILM, 360 1/4W(3 5% TA52	
		R401	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R404	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R405	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R406	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R407	0RD2701Q609	RESISTOR, FIXED CARBON FILM, 2.70K 1/4W(3 5% TA52	
		R408	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R409	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R410	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R411	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R412	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R413	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R414	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R420	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R421	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R422	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R423	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R424	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R425	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R427	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R429	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R430	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R431	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R432	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R433	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R441	0RD2202Q609	RESISTOR, FIXED CARBON FILM, 22K 1/4W(3 5% TA52	
		R451	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R501	0RD0242A609	RESISTOR, FIXED CARBON FILM, 24 OHM 1/2 W (7.0) 5% TA52	
		R502	0RD0622A609	RESISTOR, FIXED CARBON FILM, 62 OHM 1/2 W (7.0) 5% TA52	
		R503	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3 5% TA52	
		R504	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R505	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R506	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R508	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R601	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R602	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R603	0RN0750H609	RESISTOR, FIXED METAL FILM, 0.75 1/2W 5 TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R604	0RN0121H609	RESISTOR, FIXED METAL FILM, 1.2 1/2W 5 TA52	
		R605	0RD0102A609	RESISTOR, FIXED CARBON FILM, 10 OHM 1/2 W (7.0) 5% TA52	
		R606	0RD1000A609	RESISTOR, FIXED CARBON FILM, 100 OHM 1/2 W (7.0) 5%	
		R607	0RN3001F409	RESISTOR, FIXED METAL FILM, 3K 1/6W 1% TA52	
		R608	0RD4300A609	RESISTOR, FIXED CARBON FILM, 430 OHM 1/2 W (7.0) 5%	
		R609	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R610	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R611	0RD9100A609	RESISTOR, FIXED CARBON FILM, 910 OHM 1/2 W (7.0) 5%	
		R615	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R701	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R702	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R703	0RN3001F409	RESISTOR, FIXED METAL FILM, 3K 1/6W 1% TA52	
		R704	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R705	0RN4701F409	RESISTOR, FIXED METAL FILM, 4.70K 1/6W 1% TA52	
		R706	0RN2701F409	RESISTOR, FIXED METAL FILM, 2.70K 1/6W 1% TA52	
		R707	0RN1801F409	RESISTOR, FIXED METAL FILM, 1.80K 1/6W 1% TA52	
		R708	0RN1101F409	RESISTOR, FIXED METAL FILM, 1.10K 1/6W 1% TA52	
		R709	0RD2202Q609	RESISTOR, FIXED CARBON FILM, 22K 1/4W(3 5% TA52	
		R710	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R711	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R712	0RN2402F409	RESISTOR, FIXED METAL FILM, 24K 1/6W 1% TA52	
		R713	0RD2202Q609	RESISTOR, FIXED CARBON FILM, 22K 1/4W(3 5% TA52	
		R715	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R716	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3 5% TA52	
△		R717	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
△		R718	0RN3902F409	RESISTOR, FIXED METAL FILM, 39K 1/6W 1% TA52	
△		R719	0RN3901F409	RESISTOR, FIXED METAL FILM, 3.90K 1/6W 1% TA52	
		R720	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R721	0RD9100Q609	RESISTOR, FIXED CARBON FILM, 910 1/4W(3 5% TA52	
		R722	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R723	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R724	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R725	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R727	0RX1200L666	RESISTOR, SMALL FIX METAL FILM OXIDE, 120OHM 3 W 5%	
		R727-1	0RX1200L666	RESISTOR, SMALL FIX METAL FILM OXIDE, 120OHM 3 W 5%	
		R728	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R729	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R730	0RD3000A609	RESISTOR, FIXED CARBON FILM, 300 OHM 1/2 W (7.0) 5%	
		R731	0RD0151A609	RESISTOR, FIXED CARBON FILM, 1.5 OHM 1/2 W (7.0) 5%	
		R732	0RX0471J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 4.7 OHM 1 W 5%	
		R735	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R736	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R737	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R738	0RN1103F409	RESISTOR, FIXED METAL FILM, 110KOHM 1/6 W 1% TA52	
		R739	0RN2002F409	RESISTOR, FIXED METAL FILM, 20K 1/6W 1% TA52	
		R740	0RN2203F409	RESISTOR, FIXED METAL FILM, 220K 1/6W 1% TA52	
		R741	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R742	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R743	0RD4302Q609	RESISTOR, FIXED CARBON FILM, 43K 1/4W(3 5% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R744	0RD1500A609	RESISTOR, FIXED CARBON FILM, 150 OHM 1/2 W (7.0) 5%	
		R745	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R746	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R747	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R748	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R749	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R750	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R751	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R752	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R753	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R754	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R755	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R756	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R757	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R758	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R759	0RN0270H609	RESISTOR, FIXED METAL FILM, 0.27 1/2W 5 TA52	
		R760	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R761	0RD1502Q609	RESISTOR, FIXED CARBON FILM, 15K 1/4W(3 5% TA52	
		R762	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R763	0RD1502Q609	RESISTOR, FIXED CARBON FILM, 15K 1/4W(3 5% TA52	
		R764	0RN9101F409	RESISTOR, FIXED METAL FILM, 9.10K 1/6W 1% TA52	
		R765	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R766	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R767	0RD3901Q609	RESISTOR, FIXED CARBON FILM, 3.90K 1/4W(3 5% TA52	
		R768	0RD1502Q609	RESISTOR, FIXED CARBON FILM, 15K 1/4W(3 5% TA52	
		R769	0RD6202Q609	RESISTOR, FIXED CARBON FILM, 62K OHM 1/4 W (3.4) 5%	
		R770	0RD2003Q609	RESISTOR, FIXED CARBON FILM, 200K 1/4W(3 5% TA52	
		R771	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R772	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R773	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R774	0RD3602Q609	RESISTOR, FIXED CARBON FILM, 36K 1/4W(3 5% TA52	
		R775	0RD1301Q609	RESISTOR, FIXED CARBON FILM, 1.30K 1/4W(3 5% TA52	
		R776	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R777	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R779	0RN4701F409	RESISTOR, FIXED METAL FILM, 4.70K 1/6W 1% TA52	
		R781	0RD2002Q609	RESISTOR, FIXED CARBON FILM, 20K 1/4W(3 5% TA52	
⚠		R785	0RD2000Q609	RESISTOR, FIXED CARBON FILM, 200 1/4W(3 5% TA52	
		R786	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R787	0RD3002Q509	RESISTOR, FIXED CARBON FILM, 30000 OHM 1/4 W (3.4) 2%	
		R788	0RN3001F409	RESISTOR, FIXED METAL FILM, 3K 1/6W 1% TA52	
		R789	0RN7501F409	RESISTOR, FIXED METAL FILM, 7.50K 1/6W 1% TA52	
		R790	0RD7500Q609	RESISTOR, FIXED CARBON FILM, 750 OHM 1/4 W (3.4) 5%	
		R796	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R799	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R801	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R802	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R803	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R804	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R805	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5%	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R806	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R807	0RD1803Q609	RESISTOR, FIXED CARBON FILM, 180K 1/4W(3 5% TA52	
		R808	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5%	
		R809	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R810	0RD1602Q609	RESISTOR, FIXED CARBON FILM, 16K 1/4W(3 5% TA52	
		R811	0RD1503Q609	RESISTOR, FIXED CARBON FILM, 150K 1/4W(3 5% TA52	
		R812	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5%	
		R813	0RD8203Q609	RESISTOR, FIXED CARBON FILM, 820KOHM 1/4 W (3.4) 5%	
		R814	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R815	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5%	
		R816	0RN1202F409	RESISTOR, FIXED METAL FILM, 12K 1/6W 1% TA52	
		R817	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R818	0RN1802F409	RESISTOR, FIX METAL FILM, 18K 1/6W 1% TA52	
		R820	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R821	0RD2002Q609	RESISTOR, FIXED CARBON FILM, 20K 1/4W(3 5% TA52	
		R823	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5%	
△		R902	0RMZTWD001A	RESISTOR, CEMENT, 4.7 OHM 5 W 5% B RWR	
		R903	0RD3302A609	RESISTOR, FIXED CARBON FILM, 33K OHM 1/2 W (7.0) 5%	
		R904	0RD3302A609	RESISTOR, FIXED CARBON FILM, 33K OHM 1/2 W (7.0) 5%	
		R905	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R906	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
△		R907	0RB0180J609	RESISTOR, FIX WIRE-WOUND PRECISION, 0.18 OHM 1 W 5%	
		R908	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R909	0RD1004A609	RESISTOR, FIXED CARBON FILM, 1.0M OHM 1/2 W (7.0) 5%	
		R910	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5%	
		R911	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5%	
△		R912	180-465P	RESISTOR, CEMENT, 0.39 OHM 5W 5% B RWR	
		R913	0RD0122Q609	RESISTOR, FIXED CARBON FILM, 12 1/4W(3 5% TA52	
		R914	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R915	0RD2700Q609	RESISTOR, FIXED CARBON FILM, 270 1/4W(3 5% TA52	
		R916	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R918	0RN0390H609	RESISTOR, FIXED METAL FILM, 0.39 1/2W 5 TA52	
		R919	0RD1004A609	RESISTOR, FIXED CARBON FILM, 1.0M OHM 1/2 W (7.0) 5%	
△		R920	0RN7501F409	RESISTOR, FIXED METAL FILM, 7.50K 1/6W 1% TA52	
		R922	0RD1201Q609	RESISTOR, FIXED CARBON FILM, 1.20K 1/4W(3 5% TA52	
△		R923	0RN8202G409	RESISTOR, FIXED METAL FILM, 82KOHM 1/4 W 1% TA52	
△		R924	0RN7502G409	RESISTOR, FIXED METAL FILM, 75 KOHM 1/4 W 1% TA52	
△		R925	0RD0202A609	RESISTOR, FIXED CARBON FILM, 20 OHM 1/2 W (7.0) 5% TA52	
△		R926	0RN2001F409	RESISTOR, FIXED METAL FILM, 2K 1/6W 1% TA52	
		R927	0RN0390H609	RESISTOR, FIXED METAL FILM, 0.39 1/2W 5 TA52	
		R928	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R929	0RX5600J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 560 OHM 1 W 5%	
		R930	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R931	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R932	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R933	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R934	0RD7503Q609	RESISTOR, FIXED CARBON FILM, 750K 1/4W(3 5% TA52	
		R936	0RD2003A609	RESISTOR, FIXED CARBON FILM, 200K OHM 1/2 W (7.0) 5%	
		R937	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R940	0RD2702Q609	RESISTOR, FIXED CARBON FILM, 27K 1/4W(3 5% TA52	
		VR101	180-035L	VOLUME, EVN-DJAA03B53 (MEC),5KB	
		VR102	180-035N	VOLUME, EVN-DJAA03B14 (MEC),10KB	
		VR201	6110T1H003B	VOLUME, "EC11B20244 240K F L17 ""ENCORD+S/W,20C/20P	
△		VR701	180-035G	VOLUME, EVN-DJAA03B13 (MEC),1KB	
△		VR901	180-035D	VOLUME, EVN-DJAA03B32 (MEC),300B	
OTHERs					
		F1	430-858C	FUSE HOLDER, AFC-520 BAE EUN TA	
		F2	430-858C	FUSE HOLDER, AFC-520 BAE EUN TA	
		F901	131-040C	FUSE, TIME LAG, 3150MA 250V 5.2X20 CY/GL UL / CSA LITTEL	
		J142	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		J150	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		RL901	141-039A	RELA, JW2HN-DC12V MATSUSHITA 250VAC 5A 12V 44MA 270	
		SW206	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZONTAL	
		SW701	140-079C	SWITCH, LEVER, SLS-1301 SW NON 30 0 HORIZONTAL 100	
△		T701	6174Z-1017A	FBT (FLY BACK TRANSFORMER), FMTC51	
		T703	151-396J	TRANSFORMER, HORIZONTAL DRIVER, EI2218 1.1MH NEW	
		T901	6170TMZ063A	TRANSFORMER, SMPS, EER4045 200000000H 16PIN CG571B.	
		TH901	6322TB090AA	THERMISTOR, PTC, PT11P62D090Q290 DAEWOO +30%/-20%	
		X401	6202TTB001A	CRYSTAL, HC-49/U SUNNY E 6.000000MHZ 30PPM 16PF BK	
VIDEO BOARD					
CAPACITORS					
	or	C301	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C302	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5),	
		C303	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C306	181-288K	CAPACITOR, POLYESTER, MKT 100V 683JTR PHS26683	
		C306	0CZZTFT001X	CAPACITOR, ECQB1H683JM3 683J 50V TP5.0 MATSUSHITA	
		C307	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C309	0CK2230K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.022UF 50V Z F	
		C310	0CK2230K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.022UF 50V Z F	
		C311	0CK2230K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.022UF 50V Z F	
		C312	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C313	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C314	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C315	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C316	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C317	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C318	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C319	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C320	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C321	0CE1076H618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 25V M FM5	
		C323	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C324	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C325	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C329	0CK10201515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 1KV K B	
		C330	0CK10301510	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.01M 1KV	

MODEL: EV500				DATE: 1999. 3. 16.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C331	0CC4700W405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 47PF 500V	
		C332	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C333	0CK1020W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 500V	
		C334	0CK1020W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 500V	
		C335	0CE106CQ618	CAPACITOR, AL.ELECTROLYTIC, 10UF SHL 200V M FL TP5	
		C336	0CK1020W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 500V	
		C339	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C340	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C341	0CH6470K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 47PF 50V J NP0	
		C342	0CH6271K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 270PF 50V J NP0	
		C344	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL	
		C345	0CK8210W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 820P 500V K B TS	
		C350	0CH6221K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 220PF 50V J NP0	
		C351	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C352	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V	
		C367	0CK2710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 500V	
		C368	0CK2710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 500V	
DIODEs					
		D301	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D302	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D303	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D304	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D305	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D306	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D307	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D308	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D309	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D310	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D311	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D312	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D313	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D314	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D315	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D316	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D317	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		D318	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A	
		ZD301	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD302	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
		ZD303	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA	
ICs					
		IC301	0IMO454320A	IC, MOTOROLA, LSC4543P2 16PIN DIP BK OSD GW2K NO PWM	
		IC302	0IPH488600A	IC, PHILIPS, TDA4886 SDIP24 BK 120MHZ VIDEO PREAMP IC	
		IC303	0INS240700A	IC, NATIONAL SEMICONDUCTOR, LM2407T 11P BK MONOLITHIC	
		IC304	0ISS780800A	IC, SAMSUNG ELECTRONICS, KA7808 (KA7808C) REGULATOR	
COILs & COREs					
		FB301	125-155B	CORE (CIRC), BEAD, BFS3580R2FG SAMWHA 3.5*8.0MM	

MODEL: EV500				DATE: 1999. 3. 16.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
	or	FB301	6210TCT003B	CORE (CIRC), BEAD, ZBF505S-03TA-K TDK-K 3.5*8.0MM	
		FB302	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM	
		FB303	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM	
		FB306	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM	
		FB307	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM	
	or	FB307	6210TCT003F	CORE (CIRC), BEAD, ZBF505M-01TA-K TDK-K 3.5*8.0MM	
		FB308	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM	
		FB309	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM	
		FB314	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH	
		FB315	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH	
		FB316	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH	
		L301	0LA1000K119	INDUCTOR ,AXIAL LEAD, 100UH K 2.3*3.4 TP	
		L302	0LA0560K119	INDUCTOR, AXIAL LEAD, 0.56UH K 2.3*3.4 TP	
		L303	0LA0560K119	INDUCTOR, AXIAL LEAD, 0.56UH K 2.3*3.4 TP	
		L304	0LA0560K119	INDUCTOR, AXIAL LEAD, 0.56UH K 2.3*3.4 TP	
		L306	0LA0331K119	INDUCTOR, AXIAL LEAD, 3.3UH K 2.3*3.4 TP	
		L311	6200TEZ001B	FILTER(CIRC),CAPACITOR, ZJSC-R15-180(TA)TDK	
		L312	6200TEZ001B	FILTER(CIRC),CAPACITOR, ZJSC-R15-180(TA)TDK	
		L313	6200TEZ001B	FILTER(CIRC),CAPACITOR, ZJSC-R15-180(TA)TDK	
TRANSISTORS					
		Q301	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q302	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q302	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q303	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q303	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q304	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI.	
	or	Q304	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q305	0TR233009AA	TRANSISTOR, KSC2330-O TP SAMSUNG TO92L NPN	
	or	Q305	0TR320709AA	TRANSISTOR, KTC3207,TP(KTC2482),KEC	
		Q306	0TR233009AA	TRANSISTOR, KSC2330-O TP SAMSUNG TO92L NPN	
	or	Q306	0TR320709AA	TRANSISTOR, KTC3207,TP(KTC2482),KEC	
		Q307	0TR233009AA	TRANSISTOR, KSC2330-O TP SAMSUNG TO92L NPN	
	or	Q307	0TR320709AA	TRANSISTOR, KTC3207,TP(KTC2482),KEC	
RESISTORS					
		R301	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R302	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R303	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R304	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R305	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R306	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R307	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R308	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R309	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R310	0RH1002D622	RESISTOR, CHIP, 10K 1/10W 5 D.R/TP	
		R311	0RH1000D622	RESISTOR, CHIP, 100 1/10W 5 D.R/TP	
		R312	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	

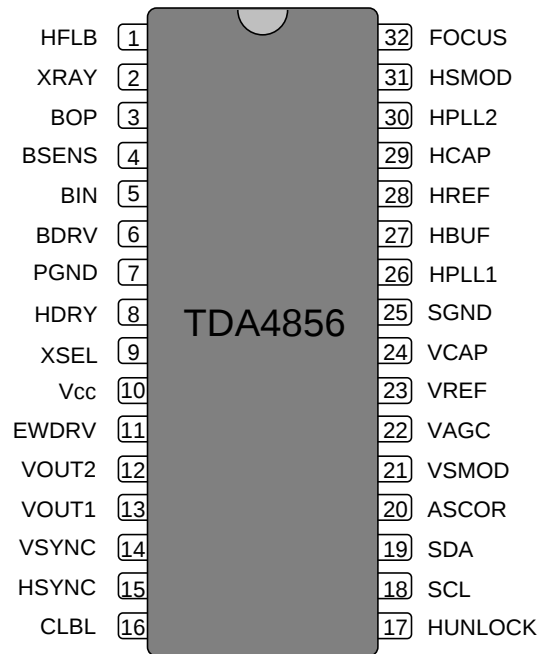
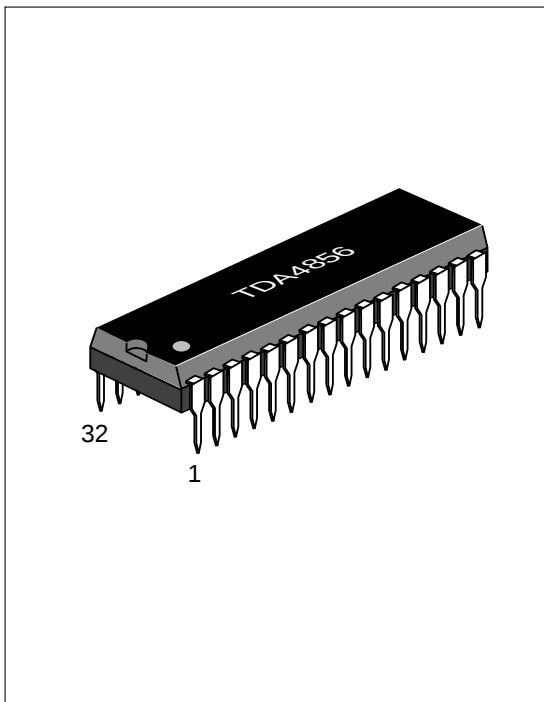
MODEL: EV500				DATE: 1999. 3. 16.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R313	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R314	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R315	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R316	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R317	0RD0221Q609	RESISTOR, FIXED CARBON FILM, 2.20 1/4W(3 5% TA52	
		R318	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R319	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R320	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R321	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R322	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R323	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R324	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R325	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R326	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R327	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R328	0RH0561D622	RESISTOR, CHIP, 5.6 1/10W 5 TA	
		R329	0RH0561D622	RESISTOR, CHIP, 5.6 1/10W 5 TA	
		R330	0RH0561D622	RESISTOR, CHIP, 5.6 1/10W 5 TA	
		R331	0RH3900D622	RESISTOR, CHIP, 390 1/10W 5 D.R/TP	
		R332	0RH3900D622	RESISTOR, CHIP, 390 1/10W 5 D.R/TP	
		R333	0RH3900D622	RESISTOR, CHIP, 390 1/10W 5 D.R/TP	
		R334	0RD1300Q609	RESISTOR, FIXED CARBON FILM, 130 1/4W(3 5% TA52	
		R335	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R336	0RD1300Q609	RESISTOR, FIXED CARBON FILM, 130 1/4W(3 5% TA52	
		R337	0RH2203D622	RESISTOR, CHIP, 220K 1/10W 5 D.R/TP	
		R338	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R339	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R340	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R341	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R342	0RH2203D622	RESISTOR, CHIP, 220K 1/10W 5 D.R/TP	
		R343	0RH2203D622	RESISTOR, CHIP, 220K 1/10W 5 D.R/TP	
		R344	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R345	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R346	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R347	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R348	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R349	0RD2702A609	RESISTOR, FIXED CARBON FILM, 27K OHM 1/2 W (7.0) 5%	
		R350	0RD2702A609	RESISTOR, FIXED CARBON FILM, 27K OHM 1/2 W (7.0) 5%	
		R351	0RD2702A609	RESISTOR, FIXED CARBON FILM, 27K OHM 1/2 W (7.0) 5%	
		R352	0RH3003D622	RESISTOR, CHIP, 300K 1/10W 5 D.R/TP	
		R353	0RH3003D622	RESISTOR, CHIP, 300K 1/10W 5 D.R/TP	
		R354	0RD1503Q609	RESISTOR, FIXED CARBON FILM, 150K 1/4W(3 5% TA52	
		R355	0RH5600D622	RESISTOR, CHIP, 560 1/10W 5 D.R/TP	
		R356	0RH6201D622	RESISTOR, CHIP, 6.2K 1/10W 5 D.R/TP	
		R357	0RD2702Q609	RESISTOR, FIXED CARBON FILM, 27K 1/4W(3 5% TA52	
		R358	0RH5600D622	RESISTOR, CHIP, 560 1/10W 5 D.R/TP	
		R359	0RH6201D622	RESISTOR, CHIP, 6.2K 1/10W 5 D.R/TP	
		R360	0RD2702Q609	RESISTOR, FIXED CARBON FILM, 27K 1/4W(3 5% TA52	
		R361	0RH5600D622	RESISTOR, CHIP, 560 1/10W 5 D.R/TP	

MODEL: EV500				DATE: 1999. 3. 16.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R362	0RH6201D622	RESISTOR, CHIP, 6.2K 1/10W 5 D.R/TP	
		R363	0RH2702D622	RESISTOR, CHIP, 27K 1/10W 5 D.R/TP	
		R364	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R365	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R366	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R367	0RH3301D622	RESISTOR, CHIP, 3.3K 1/10W 5 D.R/TP	
		R369	0RH5601D622	RESISTOR, CHIP, 5.6K 1/10W 5 D.R/TP	
		R371	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R372	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R373	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R374	0RH3003D622	RESISTOR, CHIP, 300K 1/10W 5 D.R/TP	
		R375	0RH3003D622	RESISTOR, CHIP, 300K 1/10W 5 D.R/TP	
		R381	0RH1200D622	RESISTOR, CHIP, 120 1/10W 5 D.R/TP	
		R382	0RH1200D622	RESISTOR, CHIP, 120 1/10W 5 D.R/TP	
		R383	0RH1200D622	RESISTOR, CHIP, 120 1/10W 5 D.R/TP	
OTHERs					
		SC301	381-199B	SOCKET (CIRC), CPT, PCS626-01 PARK ELEC. 10PPIN 14/360	
		SG301	6918TAT001B	SPARK GAP, AXIAL, DSP-201M-A21F MMC AXIAL TAPPING	
		SG302	6918TAT001B	SPARK GAP, AXIAL, DSP-201M-A21F MMC AXIAL TAPPING	
		SG303	6918TAT001B	SPARK GAP, AXIAL, DSP-201M-A21F MMC AXIAL TAPPING	
		SG304	6918TAT001B	SPARK GAP, AXIAL, DSP-201M-A21F MMC AXIAL TAPPING	
		SG305	165-004A	SPARK GAP, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK	
MISCELLANEOUS					
△		CDT	2423GB0A87B	CDT SET, ITC, M36LBL803X 45N6AA, NORTHERN HEMISPHERE	
△		CDT	2423GB0A87D	CDT SET, ITC, M36LBL803X 45S6AA, SOUTHERN HEMISPHERE	
		C/EARTH	6868T15002A	CDT EARTH	
△		D/COIL	150-A29A	DEGAUSSING COIL, "870MM 8.4 OHM 0.4MM 70T "14"	
		P/CORD	174-240A	POWER CORD, SP30+IS14 I-SHENG JAPAN 1830MM WALL BK	
		ADAPTER	381-240A	ADAPTER, AC KPR-25 KAWASAKI 125V 15A BLACK	
		P/CORD	174-206F	POWER CORD, 1830MM WALL FOR USA	
		P/CORD	6410TSW001A	POWER CORD, 1870MM WALL FOR SOUTHERN HEMISPHERE	
		S/CABLE	6866TA9011H	SIGNAL CABLE, UL 2990-9C(5.5) AT 1870MM COOL GRAY	
	or	S/CABLE	6866TA9011J	SIGNAL CABLE, UL 2990-9C(5.5) AT 1870MM COOL GRAY	

PIN CONFIGURATION

TDA4856

Autosync Deflection Controller

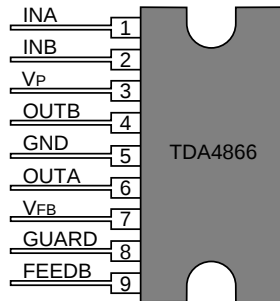
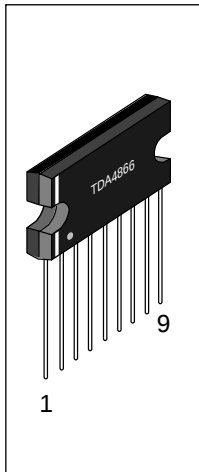


Pin Configuration

PIN	SYMBOL	DESCRIPTION	PIN	SYMBOL	DESCRIPTION
1	HFLB	Horizontal Flyback Input	17	HUNLOCK	H-Synchronization Unlock/Protection/V-Blanking Output
2	XRAY	X-ray Protection Input	18	SCL	I ² C-Bus Clock Input
3	BOP	B ⁺ Control OTA Output	19	SDA	I ² C-Bus Data Input
4	BSENS	B ⁺ Control Comparator Input	20	ASCOR	Output for Asymmetric EW Corrections
5	BIN	B ⁺ Control OTA Input	21	VSMOD	Input for EHT Compensation (Via V-Size)
6	BDRV	B ⁺ Control Driver Output	22	VAGC	External Capacitor for V-Amplitude Control
7	PGND	Power Ground	23	VREF	External Resistor for Vertical Oscillator
8	HDRV	Horizontal Driver Output	24	VCAP	External Capacitor for Vertical Oscillator
9	XSEL	Select Input for X-ray Reset	25	SGND	Signal Ground
10	Vcc	Supply Voltage	26	HPLL1	External Filter for PLL1
11	EWDRV	EW Waveform Output	27	HBUF	Buffered F/V Voltage Output
12	VOUT2	Vertical Output 2 (Ascending Sawtooth)	28	HREF	Reference Current for Horizontal Oscillator
13	VOUT1	Vertical Output 1 (Descending Sawtooth)	29	HCAP	External Capacitor for Horizontal Oscillator
14	VSYNC	Vertical Synchronization Input	30	HPLL 2	External Filter for PLL2 / Soft Start
15	HSYNC	Horizontal / Composite Synchronization Input	31	HSMOD	Input for EHT Compensation (Via H-Size)
16	CLBL	Video Clamping Pulse / V-Blanking Output	32	FOCUS	Output for Horizontal and Vertical Focus

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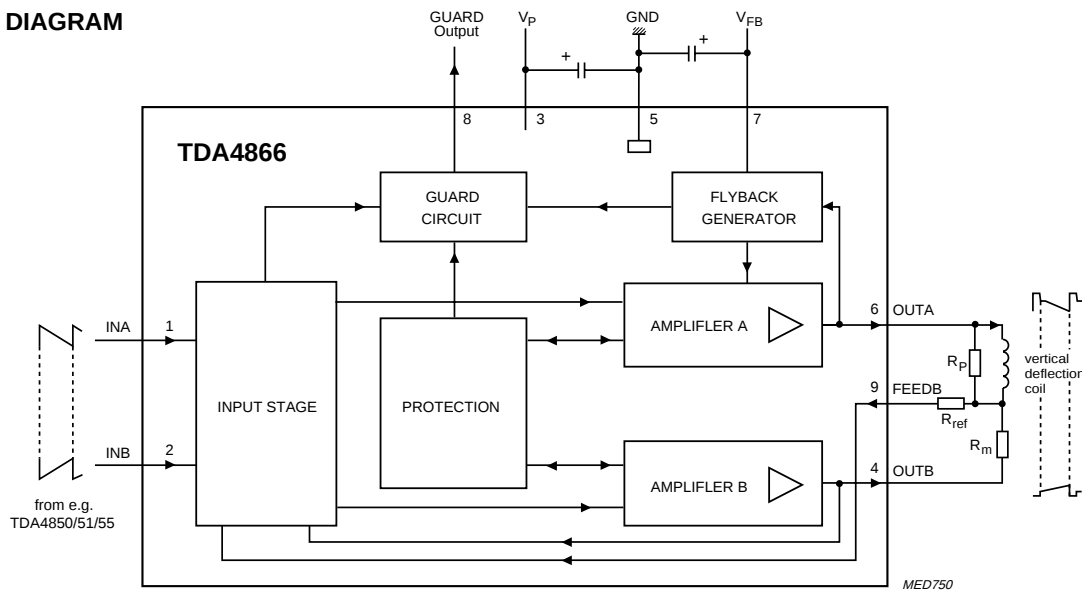

TDA4866 Current Driven Vertical Deflection Booster



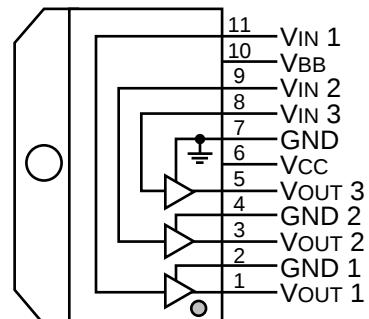
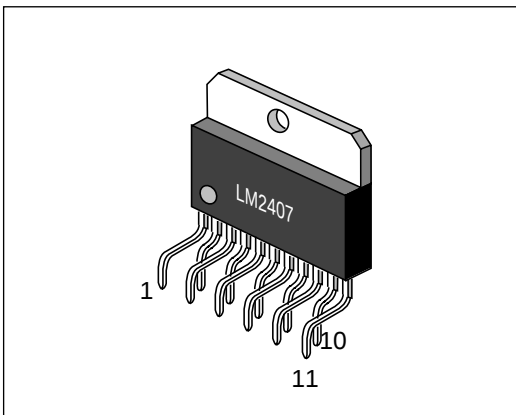
Pin Configuration

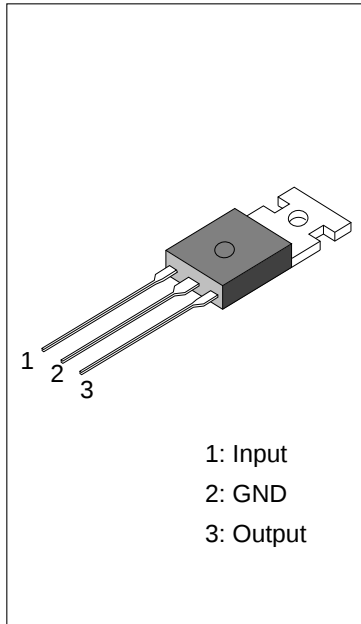
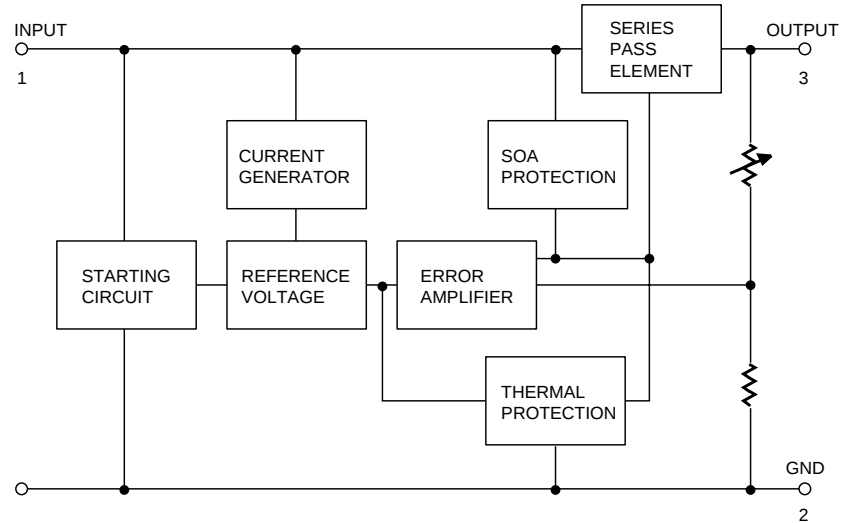
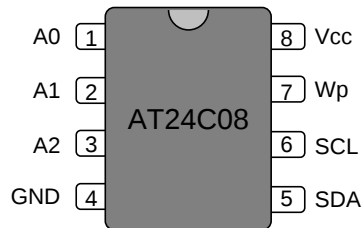
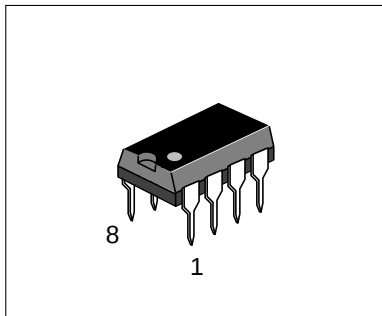
PIN	SYMBOL	DESCRIPTION
1	INA	Input A
2	INB	Input B
3	VP	Supply Voltage
4	OUTB	Output B
5	GND	Ground (Mounting Base)
6	OUTA	Output A
7	VFB	Flyback Supply Voltage
8	GUARD	Guard Output
9	FEEDB	Feedback Input

BLOCK DIAGRAM



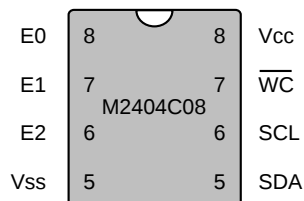
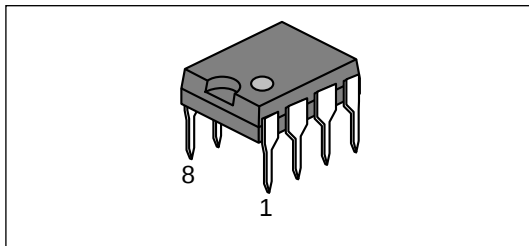
LM2407 Monolithic Triple 7.5nS CRT Driver



KA7805 (KA7808)**Positive Voltage Regulator 5V (8V)****BLOCK DIAGRAM****AT24C08****2-Wire Serial CMOS EEPROM**

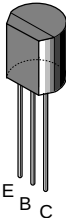
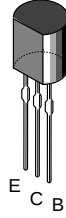
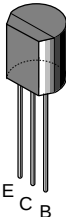
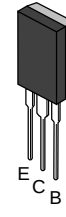
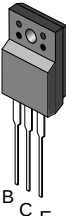
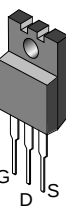
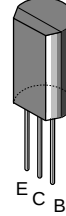
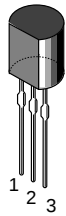
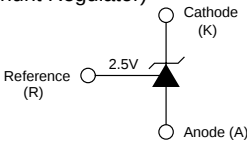
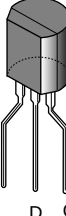
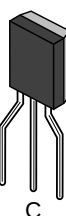
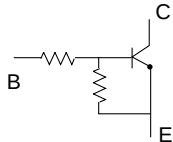
Pin Configuration

PIN NAME	FUNCTION
A0 to A2	Address Inputs
SDA	Serial Data
SCL	Serial Clock Input
WP	Write Protect

M24C08**8K SERIAL I²C BUS EEPROM**

Pin Configuration

PIN NAME	FUNCTION
E0-E2	Chip Enable Inputs
SDA	Serial Data Address Input/Output
SCL	Serial Clock
WC	Write Control
Vcc	Supply Voltage
Vss	Ground

TYPE	PARTS	TYPE	PARTS
	2N3904		KTA1270 KTC200-Y KTC3198 KTC3202
	KSB564AC		KTA1024 KTA1275 KTC3206 KTC3207
	KTD1413		2SJ306
	KSA1013	 1: REFERENCE 2: ANODE 3: CATHODE	KIA431 (Programmable Shunt Regulator) 
	2SK982		DTC114 KRC120M 

SCHEMATIC DIAGRAM CG571B-15037A
'99.03.02 Rev 1.0

