

# COLOR MONITOR SERVICE MANUAL

CHASSIS NO. : CA-84

FACTORY MODEL: CG992D

**MODEL: EV910 (EV910C)**

\*(      ) ID LABEL Model No.

## **CAUTION**

BEFORE SERVICING THE UNIT,

READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.



## **Same Model Name with New Chassis**

- Old Chassis : ID LABEL Name-EV910B
- New Chassis : ID LABEL Name-EV910C

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## SPECIFICATIONS

### **1. PICTURE TUBE**

Size	: 19 inch (Flat Square Tube)
Deflection Angle	: 90°
Neck Diameter	: 29.1mm
Transmission	: 52%
Dot Pitch	: 0.26mm
Face Treatment	: AR-ASC (Anti-Reflection and Anti-Static Coating)
Low Radiation	: MPR-II, (TCO99; PFC)

### **2. SIGNAL**

#### **2-1. Horizontal & Vertical Sync**

- 1) Input Voltage Level : Low=0~0.8V, High=2~5.5V
- 2) Sync Polarity : Positive or Negative
- 3) Composite Sync Signal  
Vertical Sync Width:1H~10H.
- Serration Pulse : NON, 0.5H, 1H, EX-OR
- Equalize Pulse : Max 5H
- \* REMARK : H=Horizontal Period

#### **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 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 ~ 95 kHz
- Vertical : 50 ~ 160 Hz

### **3. POWER SUPPLY**

- 3-1. Power Range  
AC 100~240V(Free Voltage) , AC 180 ~ 240V(PFC)  
50/60Hz, 2.0A Max.
- 3-2. Power Consumption

MODE	VIDEO	POWER CONSUMPTION	LED COLOR
NORMAL (ON)	Yes	less than 140W	GREEN
STAND-BY	No	less than 8W	AMBER
SUSPEND	No	less than 8W	
OFF	No	less than 3W	AMBER

### **4. DISPLAY AREA**

- 4-1. Active Video Area : 350 x 262 mm (13.78" x 10.31")  
(Available for Full Screen)
- 4-2. Display Color : Full Colors
- 4-3. Display Resolution : 1600 x 1200 / 75Hz  
(Non-Interlace)
- 4-4. Video Bandwidth : 203MHz

### **5. ENVIRONMENT**

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

### **6. DIMENSIONS (with TILT/SWIVEL)**

- Width : 464.0mm (18.26 inch)
- Depth : 479.0mm (18.85inch)
- Height : 502.0mm (19.76 inch)

### **7. WEIGHT (with TILT/SWIVEL)**

- Net Weight : 21.5kg (47.40 lbs.)
- Gross Weight : 26.0kg (57.32 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 26kV. The following steps describe how to measure the high voltage and how to prevent X-radiation.

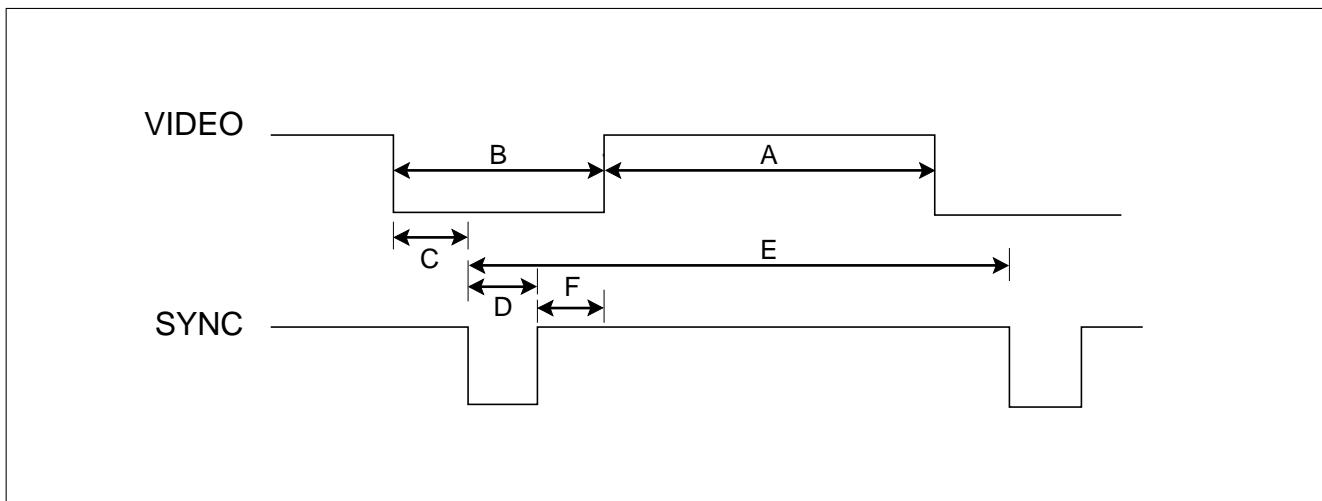
**Note :** It is important to use an accurate high voltage meter calibrated periodically.

- 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.

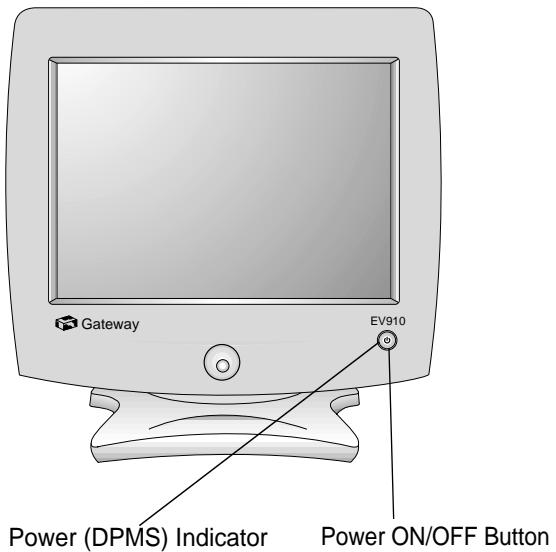
## TIMING CHART



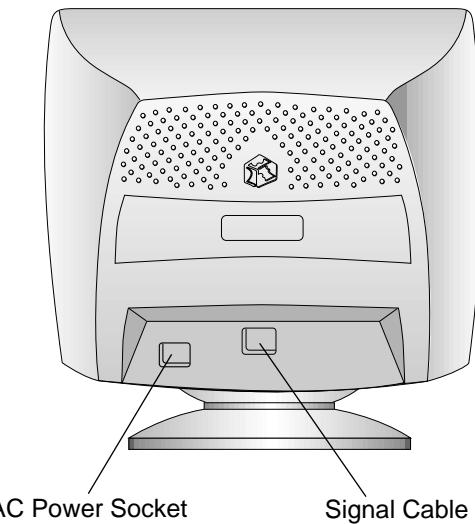
MODE			FACTORY PRESET MODE									
			MARK	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6	MODE 7	MODE 9	
HORIZONTAL	Sync Polarity			+	+	+	-	-	-	-	+	+
	Frequency	kHz		60.023	37.879	46.875	31.469	48.363	37.500	31.469	79.976	93.750
	Total Period	μs	E	16.660	26.400	21.333	31.778	20.677	26.667	31.780	12.504	10.666
	Video Active Time	μs	A	13.003	20.000	16.162	25.422	15.754	20.317	25.420	9.481	7.901
	Blanking Time	μs	B	3.657	6.400	5.172	6.356	4.923	6.349	6.356	3.022	2.765
	Front Porch	μs	C	0.203	1.000	0.323	0.636	0.369	0.508	0.640	0.119	0.316
	Sync Duration	μs	D	1.219	3.200	1.616	3.813	2.092	2.032	3.810	1.067	0.948
VERTICAL	Back Porch	μs	F	2.235	2.200	3.232	1.907	2.462	3.810	1.906	1.837	1.501
	Sync Polarity			+	+	+	-	-	-	+	+	+
	Frequency	Hz		75.029	60.317	75.000	59.940	60.004	75.000	70.082	75.025	75.000
	Total Period	ms	E	13.328	16.579	13.333	16.683	16.666	13.333	14.270	13.329	13.333
	Video Active Time	ms	A	12.795	15.840	12.800	15.253	15.880	12.800	12.710	12.804	12.800
	Blanking Time	ms	B	0.533	0.739	0.533	1.430	0.786	0.533	1.557	0.525	0.533
	Front Porch	ms	C	0.017	0.026	0.021	0.318	0.062	0.027	0.413	0.013	0.011
RESOLUTION	Sync Duration	ms	D	0.050	0.106	0.064	0.064	0.124	0.080	0.064	0.038	0.032
	Back Porch	ms	F	0.466	0.607	0.448	1.048	0.600	0.427	1.080	0.475	0.491
Resolution				1024 X 768	800 X 600	800 X 600	640 X 480	1024 X 768	640 X 480	720 X 400	1280 X 1024	1600 X 1200
Recall				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

# OPERATING INSTRUCTIONS

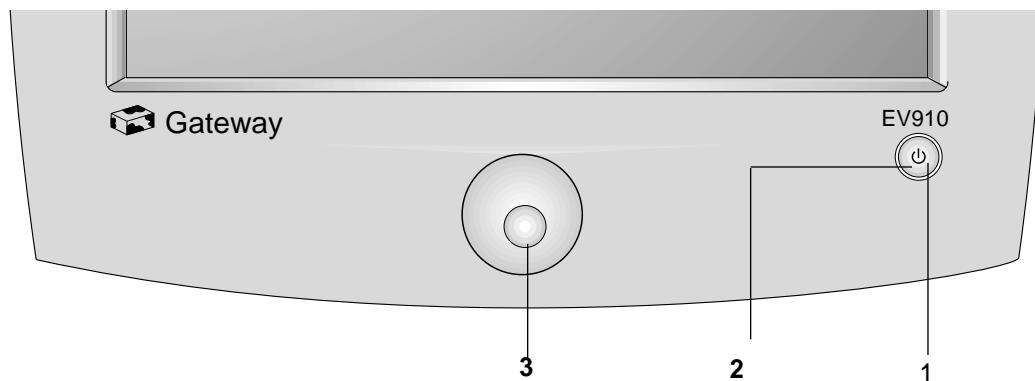
FRONT VIEW



REAR VIEW



Front Control Panel



## 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 DPM off mode – its color changes to orange.

## 3. OSD Select/Adjustment

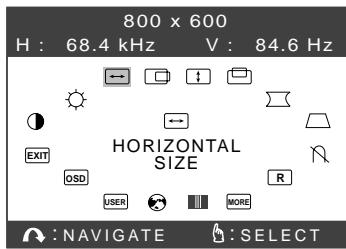
Use this knob for selecting (highlighting) an OSD icon and adjusting level of the selected menu.

## 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.

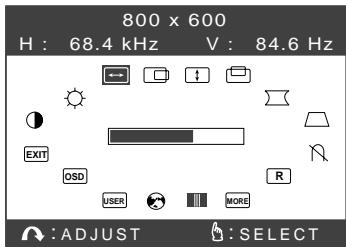
### Example:

*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:*



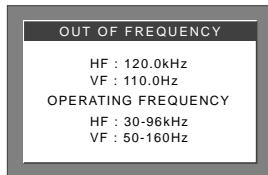
Listed below are icons, icon names.

Icon	Description
●	<b>Contrast:</b> To adjust the image contrast level.
○	<b>Brightness:</b> To adjust the screen brightness level.
↔	<b>Horizontal Size:</b> To adjust the image width.
↔	<b>Horizontal Position:</b> To move the image left or right.
↑↓	<b>Vertical Size :</b> To adjust the image height.
↑↓	<b>Vertical Position:</b> To move the image up or down.
↙↗	<b>Pincushion:</b> To correct bowing in or out of the image.
↙↗	<b>Trapezoid:</b> To correct the geometric distortion.
↖↖	<b>Degauss:</b> Used to demagnetize the picture to give a more accurate image and color.

Icon	Description
R	<b>Mode Recall:</b> To recall factory preset mode.
MORE	<b>Advanced Option:</b> There are eight kinds of options. <b>Tilt:</b> To correct the image rotation. <b>Parallelogram:</b> To correct the geometric distortion. <b>Pincushion Balance:</b> To correct balance on each side distortion. <b>Moiré:</b> To reduce moiré. Moiré is caused by interference between the periodical display pattern with the periodical dot screen.
H	<b>Zoom:</b> To adjust horizontal and vertical image size simultaneously. <b>Top Corner Distortion:</b> To correct the irregular Top distortion of displayed image. <b>Bottom Corner Distortion:</b> To correct the irregular Bottom distortion of displayed image. <b>Convergence:</b> Use to adjust the alignment of red and blue fields.
III	<b>Color Select:</b> To select color temperature or set color level; 9300K / 6550K / USER.
🌐	<b>Language Select</b> To choose one of the five languages for the OSD menu.
USER	<b>Information:</b> There is information of video modes-preset and user modes.
OSD	<b>OSD Manager:</b> To adjust horizontal or vertical position of the OSD image.
EXIT	<b>Exit</b> To make the OSD disappear on the screen.

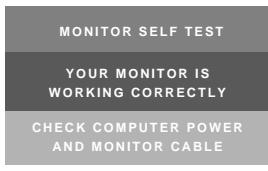
## Out of Frequency Range

When inputed video signal is not available, the message will display as right:

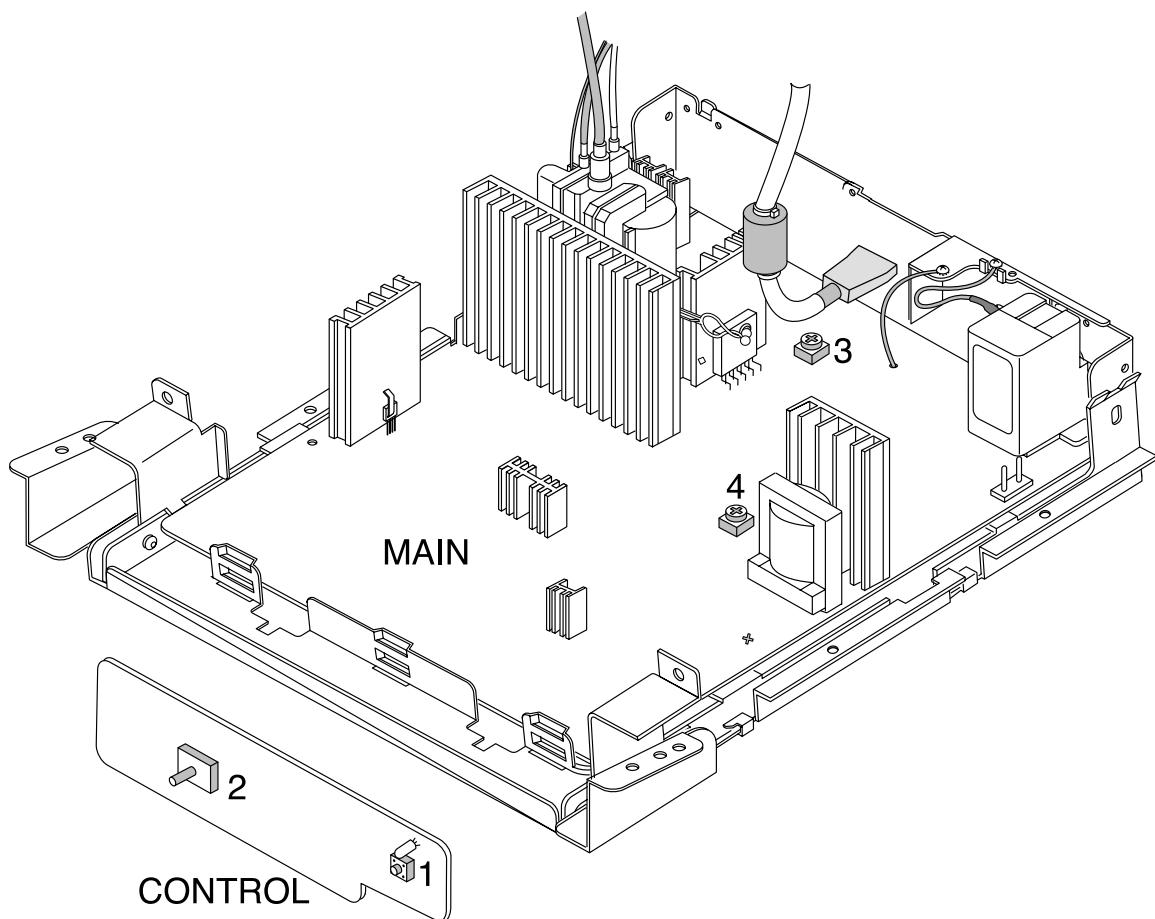


## Self Diagnosis

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

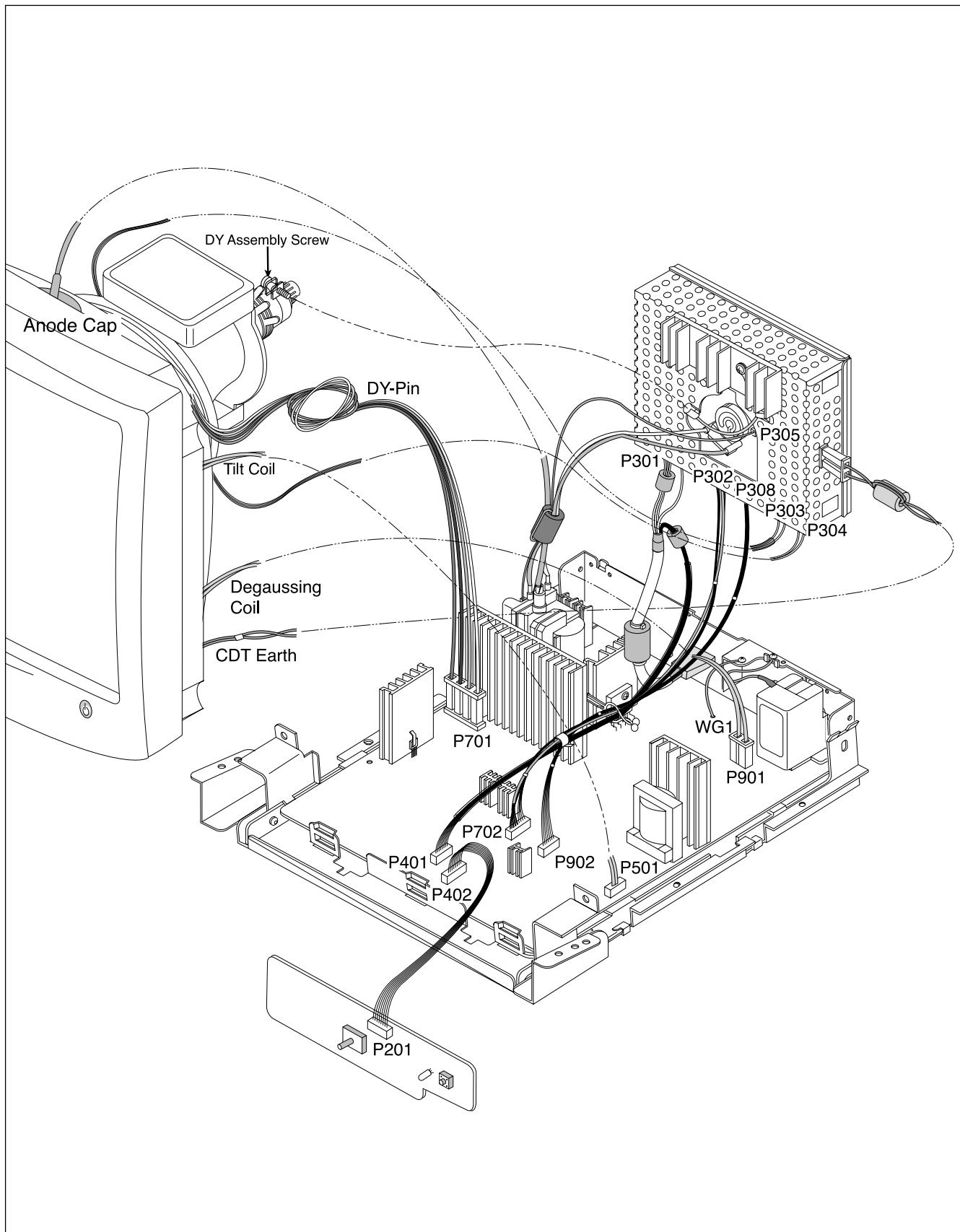


## CONTROL LOCATIONS



No.	Ref. No.	Control Function	No.	Ref. No.	Control Function
1	SW201	POWER SWITCH	3	VR701	HIGH-VOLTAGE ADJUSTMENT
2	VR201	OSD SELECT/ADJUSTMENT	4	VR901	B <sup>+</sup> ADJUSTMENT

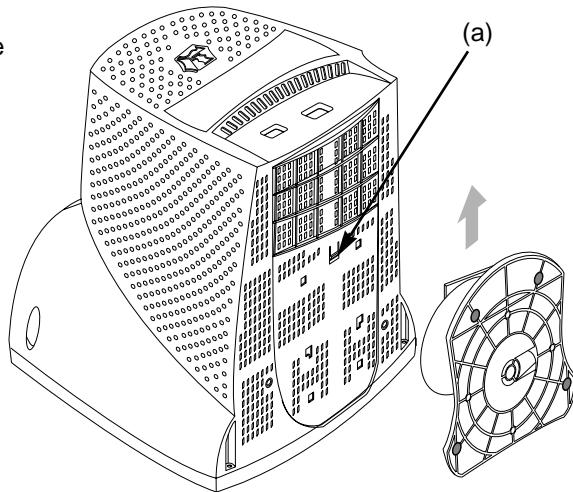
## WIRING DIAGRAM



# DISASSEMBLY

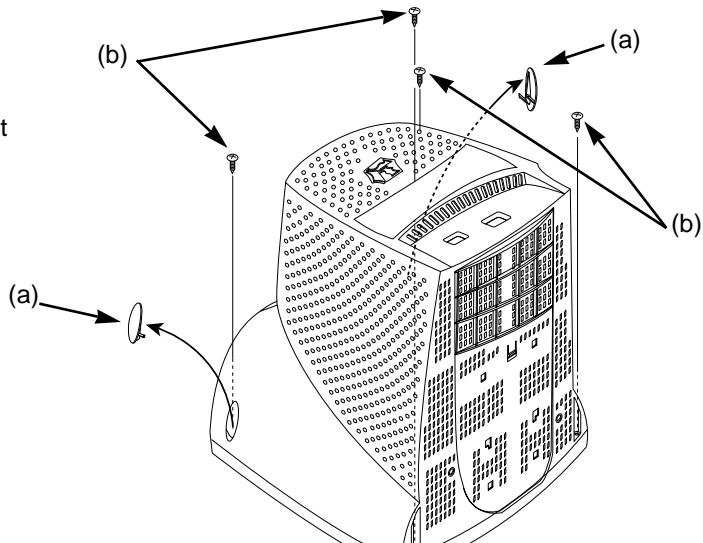
## 1. TILT/SWIVEL REMOVAL

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



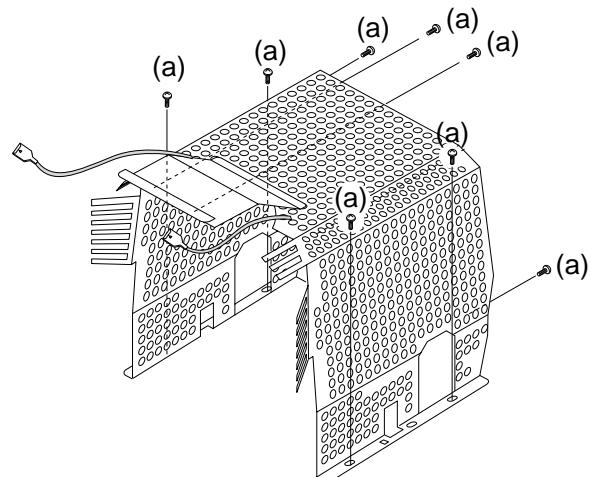
## 2. BACK COVER REMOVAL

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



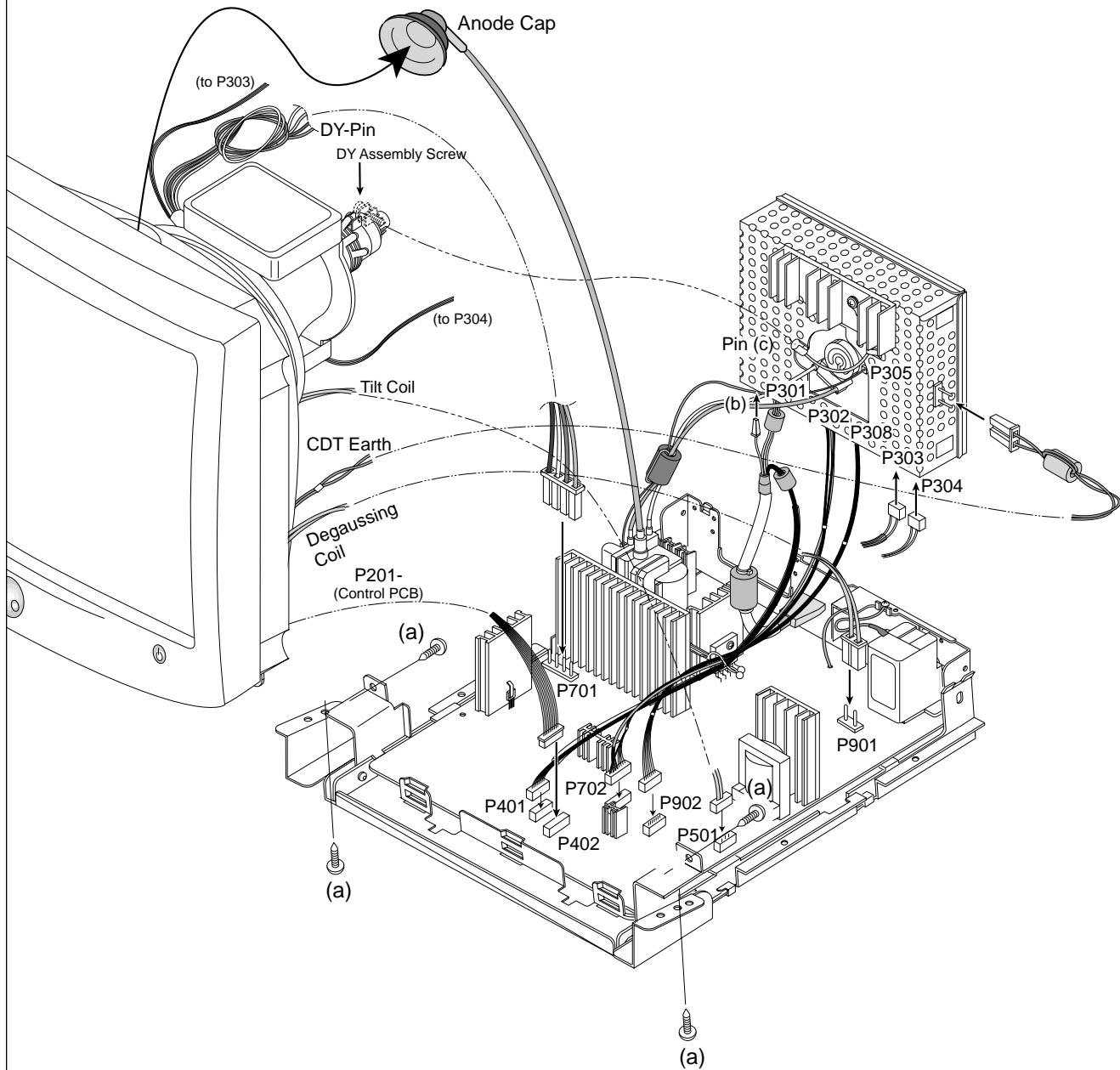
## 3. TOP SHIELD REMOVAL

- 1) Remove eight screws (a).



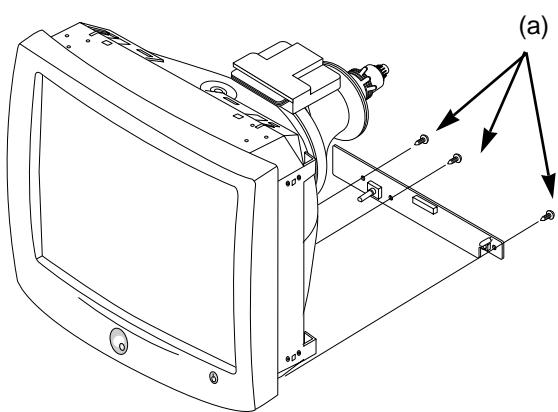
#### 4. TOTAL CHASSIS ASSEMBLY REMOVAL

- 1) Disconnect P901 (Degaussing pin), P701 (DY pin), P501(Tilt pin) and P402 from the Main PCB.
- 2) Disconnect CDT Earth Pin, P303, P304 from the Video PCB.
- 3) Disconnect Pin (c) from the DY Assembly screw.
- 4) Carefully separate the CDT Board Assembly from the CDT neck.
- 5) Discharge the remaining static electricity by shorting between the Anode Cap and the CDT ground.
- 6) Disconnect the Anode Cap from the CDT.
- 7) Remove four screws (a).
- 8) Remove the Front Cabinet from the Main Total Assembly.
- 9) Disconnect P301, P302, P308, P305 and Pin(b) from the Video PCB.
- 10) Remove Video Assembly from the Main Total Assembly.



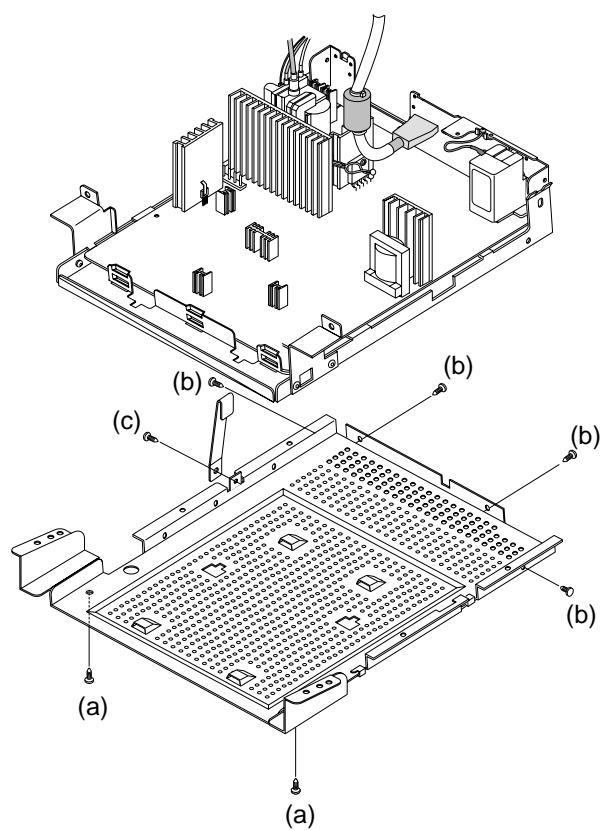
## 5. CONTROL PCB ASSEMBLY REMOVAL

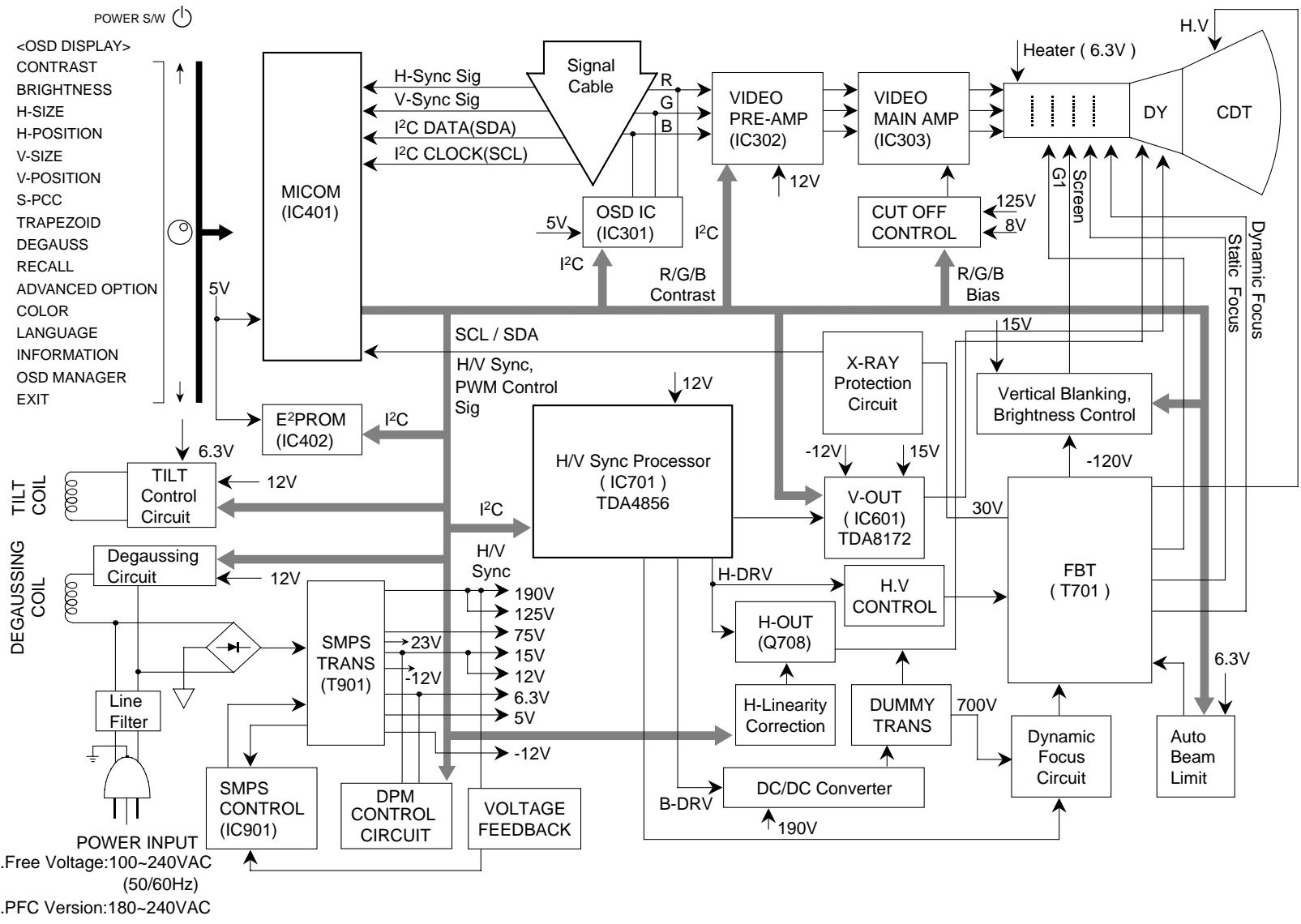
- 1) Remove three screws (a).
- 2) Remove the Control PCB Assembly from the Front Cabinet.



## 6. BOTTOM BRACKET REMOVAL

- 1) Remove two screws (a).
- 2) Remove four screws (b).
- 3) Remove screw (c) and Metal Fix.
- 4) Remove the Bottom Bracket.





# DESCRIPTION OF BLOCK DIAGRAM

## 1. Line Filter & Associated Circuit.

This is used for suppressing noise of 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 (TH901), and the relay (RL901). This circuit eliminates abnormal color of the screen automatically by degaussing the slot mask in the CDT when turn 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 works with power 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 coil of the transformer (T901).
- 5) These secondary voltages are rectified by each diode (D906, D907, D908, D909, D910, D911, D912, D913) and operate the other circuits. (Deflection, Video Amplifier, etc.)

## 4. Display Power Management Circuit.

This circuit controls power consumption of the monitor by detecting H and V sync signal. There are stand-by and suspend mode. When no horizontal or vertical sync signal input, the circuit consists of Q930 and Q907 becomes stand-by and suspend mode. Its power consumption is below 8W. When no horizontal and vertical sync signal input, its power consumption is below 3W.

## 5. X-ray Protection.

This circuit detects the rectified DC voltage comes from the FBT pin 4. If the high voltage of the FBT reaches up to about 30kV (abnormal state), Micom(IC401) detects. It stops B<sup>+</sup> voltage supplied to the FBT (T701), and high voltage is not be generated, (In the normal state, the high voltage is about 26kV.)

## 6. Micom(Microprocessor) Circuit.

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

- 1) H and V sync signals are supplied from Signal Cable to the Micom (IC401).
- 2) The Micom (IC401) distinguishes polarity and frequency of HandV sync.
- 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 IC402. User can adjust screen condition by each OSD function. The data of the adjust screen condition is stored automatically.

## 7. Horizontal and Vertical Synchronous Processor.

This circuit generates the horizontal drive pulse and the vertical drive pulse by taking sync-signal from Signal Cable. This circuit consists of the TDA4856(IC701) and the associated circuit.

## 8. Oscillating Circuit for D/D Converter.

This circuit generates the pulse wave which has the horizontal period by taking the output of the TDA4856 (IC701).

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

This circuit supplies DC voltage to the horizontal deflection output circuit by decreasing DC 190V which is the secondary voltage of the SMPS in accordance with the input horizontal sync signal.

## 10. Side-Pincushion Correcting Circuit.

This circuit improves the Side-pincushion of the screen by mixing east-west wave to the output of the horizontal deflection D/D converter which is used for the supply voltage source (B<sup>+</sup>) of the deflection circuit.

## **11. D/D Drive & Convert Circuit.**

This circuit is used for supplying  $B^+$  voltage to horizontal deflection output transistor (Q709). This circuit makes to add side-pincushion correcting signal to  $B^+$  voltage.

## **12. Horizontal Deflection Output Circuit.**

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

## **13. 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 26kV) appears at the secondary of the FBT and it is supplied to the anode of the CDT.

And there are another output voltages such as the dynamic focus voltage.

## **14. H-Linearity Correction Circuit.**

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

## **15. Vertical Output Circuit.**

This circuit takes the vertical wave from the TDA4856 (IC701) and performs the vertical deflection by supplying the saw-tooth wave current from the TDA8172 (IC601) to the vertical deflection yoke.

## **17. Dynamic Focus Output Circuit.**

This circuit takes H and V parabola wave from the TDA4856 (IC701), and amplifies these waves to offer to the FBT (T701).

## **18. H & V Blanking and Brightness Control.**

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

## **19. Image Rotation (Tilt) Circuit.**

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

## **20. Static Convergence Control Circuit.**

This circuit corrects the convergence of the screen by supplying the convergence signal to the 4H (STC) coil which is attached to the CDT near the deflection.

## **21. Moiré Reduction Circuit**

This circuit reduce interference between the periodical display pattern and the CDT's slot (or dot).

The positions of every other one dot video signal beams (red, green, and blue beam) are shifted finely, thus reducing interference.

## **22. OSD Circuit.**

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

When a user selects the OSD Select/Adjustment control, the adjustment status displays on the screen.

## **23. 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).

## **24. 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 CDT cathode.

# 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  $\Delta$  (DEGAUSSING) on the OSD menu.

## ADJUSTMENT PROCEDURE & METHOD

- Install the cable for adjustment such as Figure 1and run the alignment program on the DOS for IBM compatible PC.
- Set external Brightness and Contrast volume to max position.

### 1. Adjustment for B<sup>+</sup> Voltage.

- 1) Display cross hatch pattern at Mode 8.
- 2) Adjust C913(+) voltage to 190V  $\pm$  0.5V with VR901.

### 2. Adjustment for High-Voltage.

- 1) Display cross hatch pattern at Mode 8.
- 2) Adjust CDT Anode voltage to 26kV  $\pm$  0.2kV with VR701.

### 3. Adjustment for Factory Mode (Preset Mode).

- 1) Display cross hatch pattern at Mode 1.
- 2) Run alignment program for CG992D on the IBM compatible PC.
- 3) EEPROM → ALL CLEAR → Y(Yes) command.  
**<Caution>** Do not run this procedure unless the EEPROM is changed. All data in EEPROM (mode data and color data) will be erased.

- 4) COMMAND → PRESET START.
- 5) DIST. ADJ. → FOS. ADJ command.
- 6) Adjust H-SIZE as arrow keys to  $350 \pm 2$ mm.
- 7) Adjust H-POSITION as arrow keys to center of the screen.
- 8) Adjust V-SIZE as arrow keys to  $262 \pm 2$ mm.
- 9) Adjust V-POSITION as arrow keys to center of the screen.
- 10) Adjust S-PCC (Side-Pincushion) as arrow keys to be the best condition.
- 11) Adjust TRAPEZOID as arrow keys to be the best condition.
- 12) DIST. ADJ. → BALANCE2 → TILT command.
- 13) Adjust tilt as arrow keys to be the best condition.
- 14) DIST. ADJ. → BALANCE1 → PIN BALANCE command.
- 15) Adjust balance of side-pincushion as arrow keys to be the best condition.
- 16) DIST. ADJ. → BALANCE1 → PARALLELOGRAM command.
- 17) Adjust parallelogram as arrow keys to be the best condition.
- 18) Display from Mode 2 to Mode 9 and repeat above from number 6) to 11).
- 19) PRESET EXIT → Y (Yes) command.

### 5. Adjustment for White Balance and Luminance.

- 1) Set the White Balance Meter.
- 2) Press the  $\Delta$  (DEGAUSSING) on the OSD menu for demagnetization of the CDT.
- 3) Display color 0,0 pattern at Mode 8.
- 4) Set Bright and Contrast volume to max position.
- 5) PRESET START command.
- 6) COLOR ADJ. → LUMINANCE command of the alignment program.
- 7) Set Brightness and Contrast to max position.
- 8) COLOR ADJ. → BIAS ADJ. command of the alignment program.
- 9) Check whether blue color or not at R-BIAS and G-BIAS to min position and B-BIAS to 130 (decimal) position and Sub-Brightness to Data(115). If it's not blue color, the monitor must repair.
- 10) Adjust Screen control on the FBT to  $0.1 \pm 0.02$ FL of the raster luminance.
- 11) Adjust R-BIAS and G-BIAS command to  $x=0.283 \pm 0.006$  and  $y=0.298 \pm 0.006$  on the White Balance Meter with PC arrow keys.
- 12) Adjust SUB-Brightness command to  $0.55 \pm 0.05$ FL of the raster luminance.
- 13) PRESET EXIT → Y (Yes) command.

- 14) Display color 15,0 box pattern (70x70mm) at Mode 8.
- 15) Contrast and Brightness to Max Position.
- 16) DRIVE ADJ command.
- 17) Set B-DRIVE to 150 (decimal) at DRIVE of the alignment program.
- 18) Adjust R-DRIVE and G-DRIVE command to white balance  $x=0.283 \pm 0.003$  and  $y=0.298 \pm 0.003$  on the White Balance Meter with PC arrow keys.
- 19) Adjust SUB-CONTRAST command to  $50 \pm 1\text{FL}$  of the color 15,0 box pattern (70x70mm) luminance at Mode 8.
- 20) PRESET EXIT → Y (Yes) command.
- 21) Display color 15,0 full white pattern at Mode 8.
- 22) COLOR ADJ. → LUMINANCE → ABL command.
- 23) Adjust ABL to  $39 \pm 1\text{FL}$  of the luminance.
- 24) PRESET EXIT command.
- 25) Exit from the program.

## 6. Adjustment for Focus.

- 1) Set the Brightness and Contrast volume to max position.
- 2) Display H character in full screen at Mode 8.
- 3) Adjust two Focus control on the FBT that focus should be the best condition.

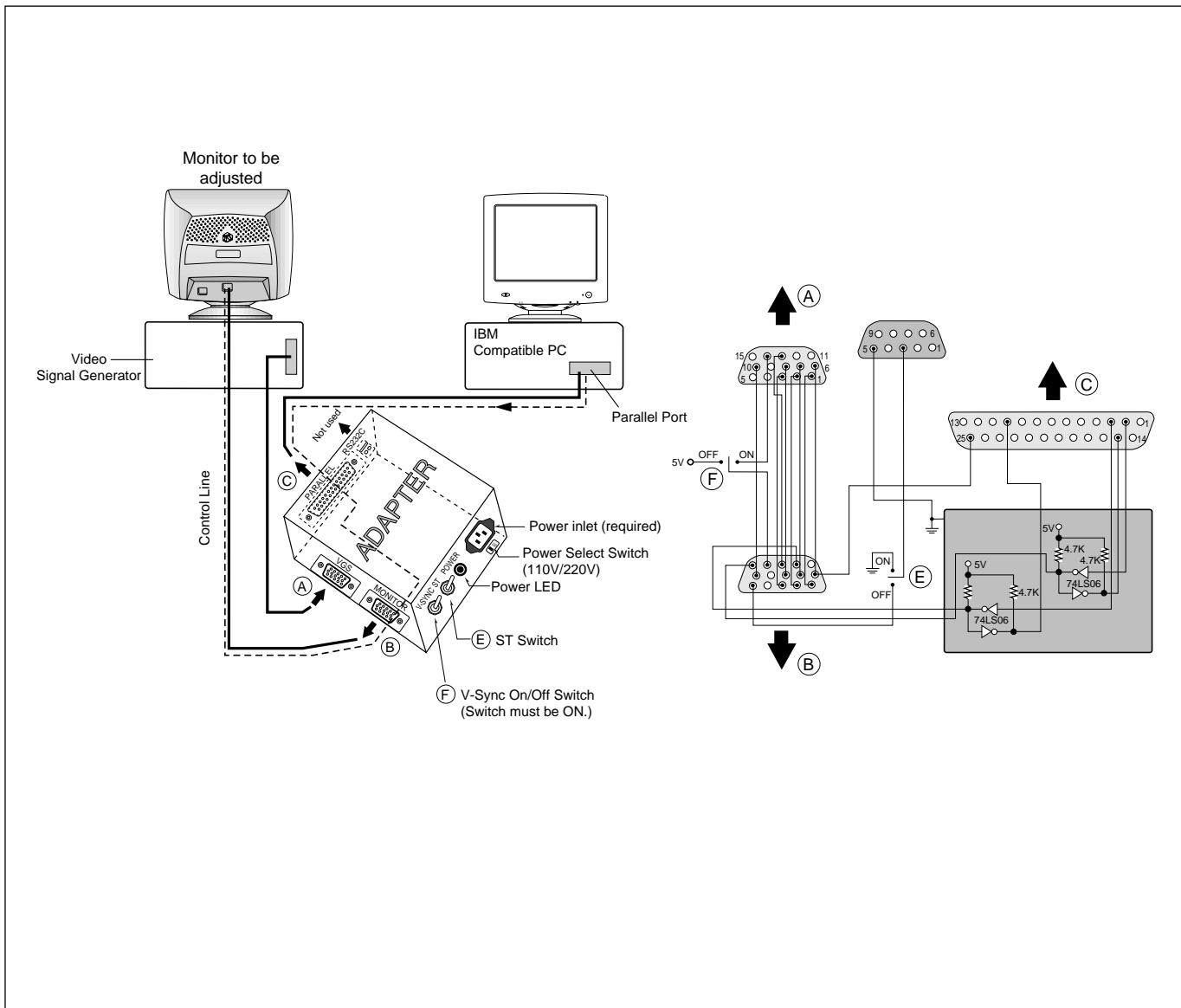
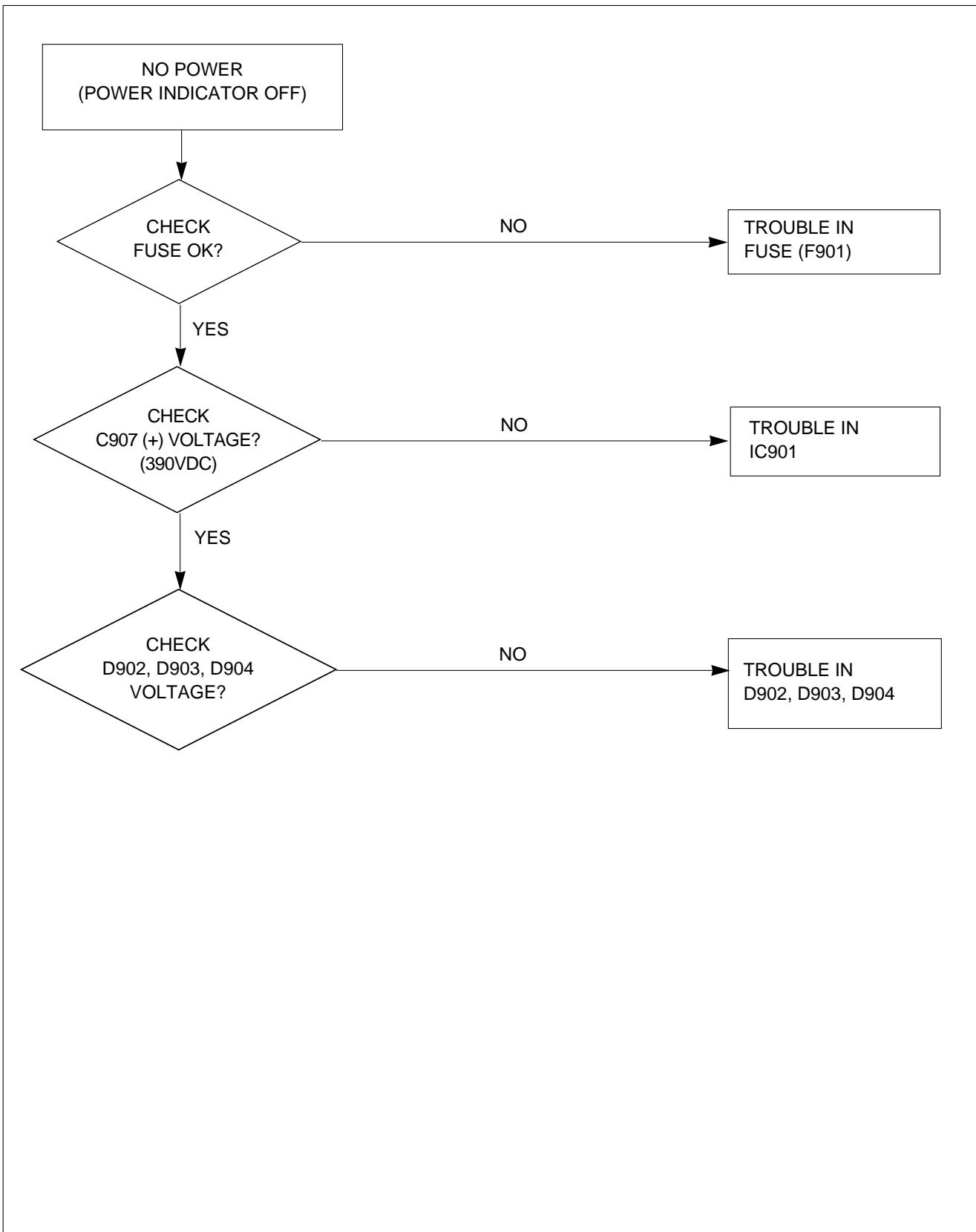


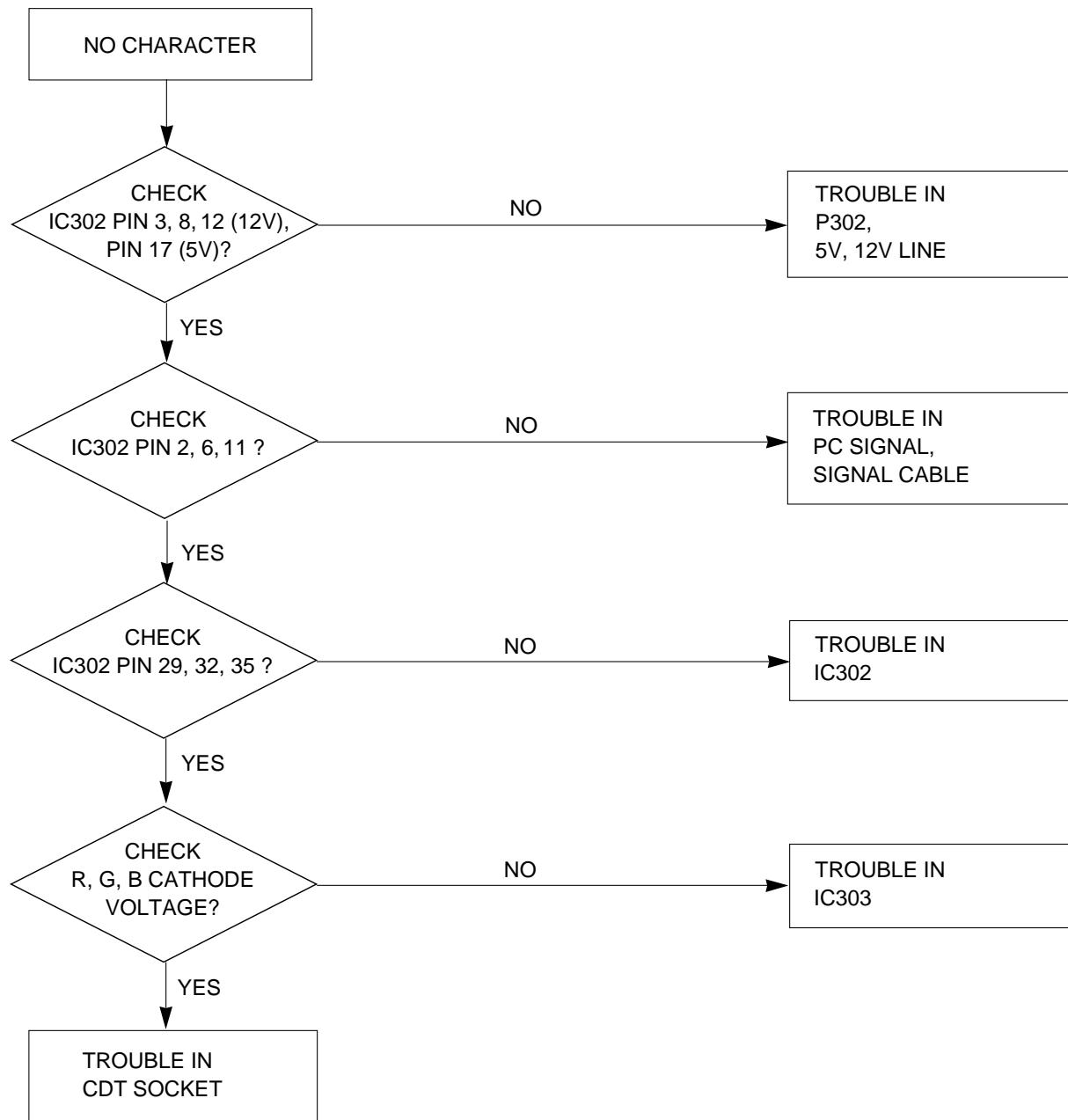
Figure 1. Cable Connection

# TROUBLESHOOTING GUIDE

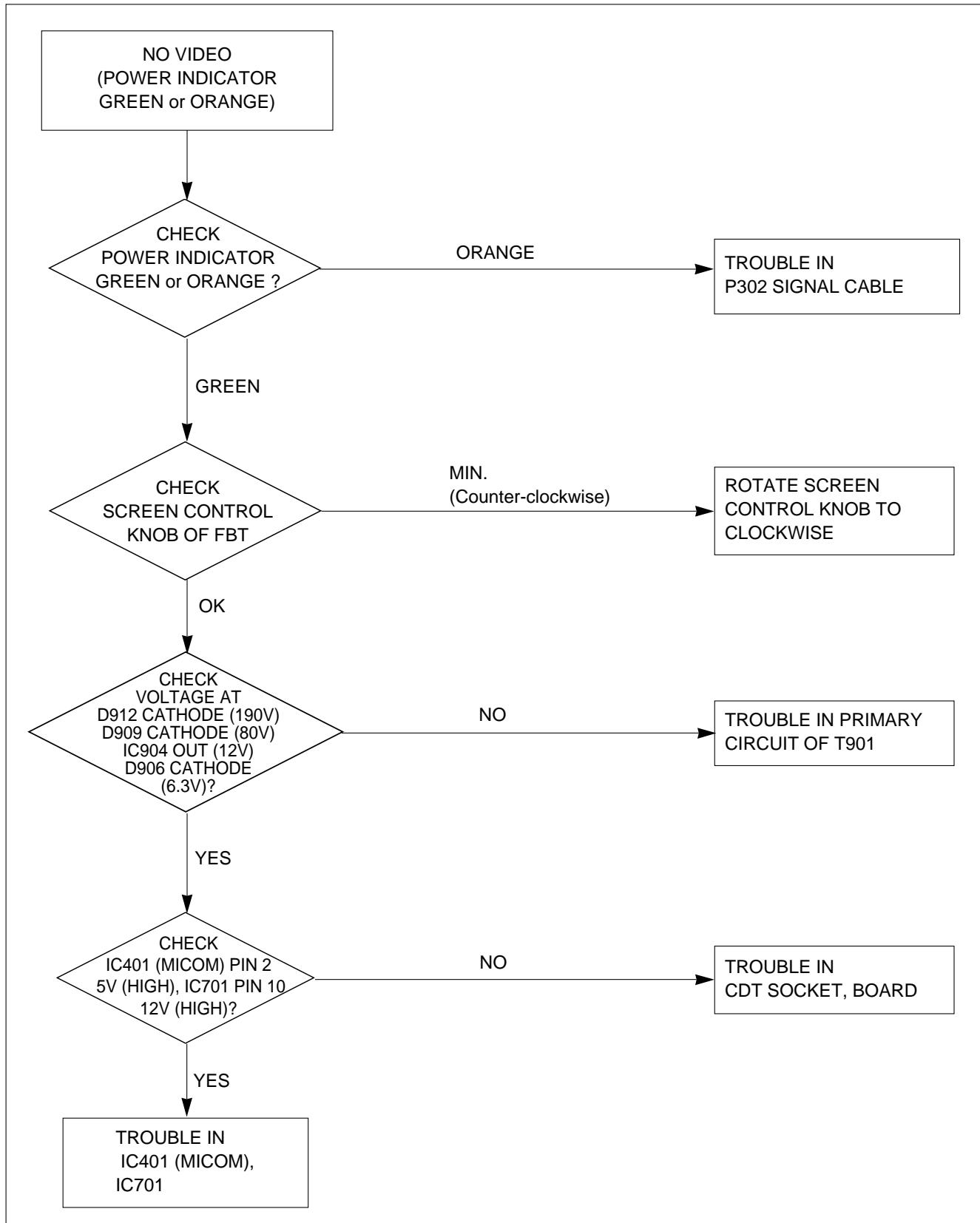
## 1. NO POWER



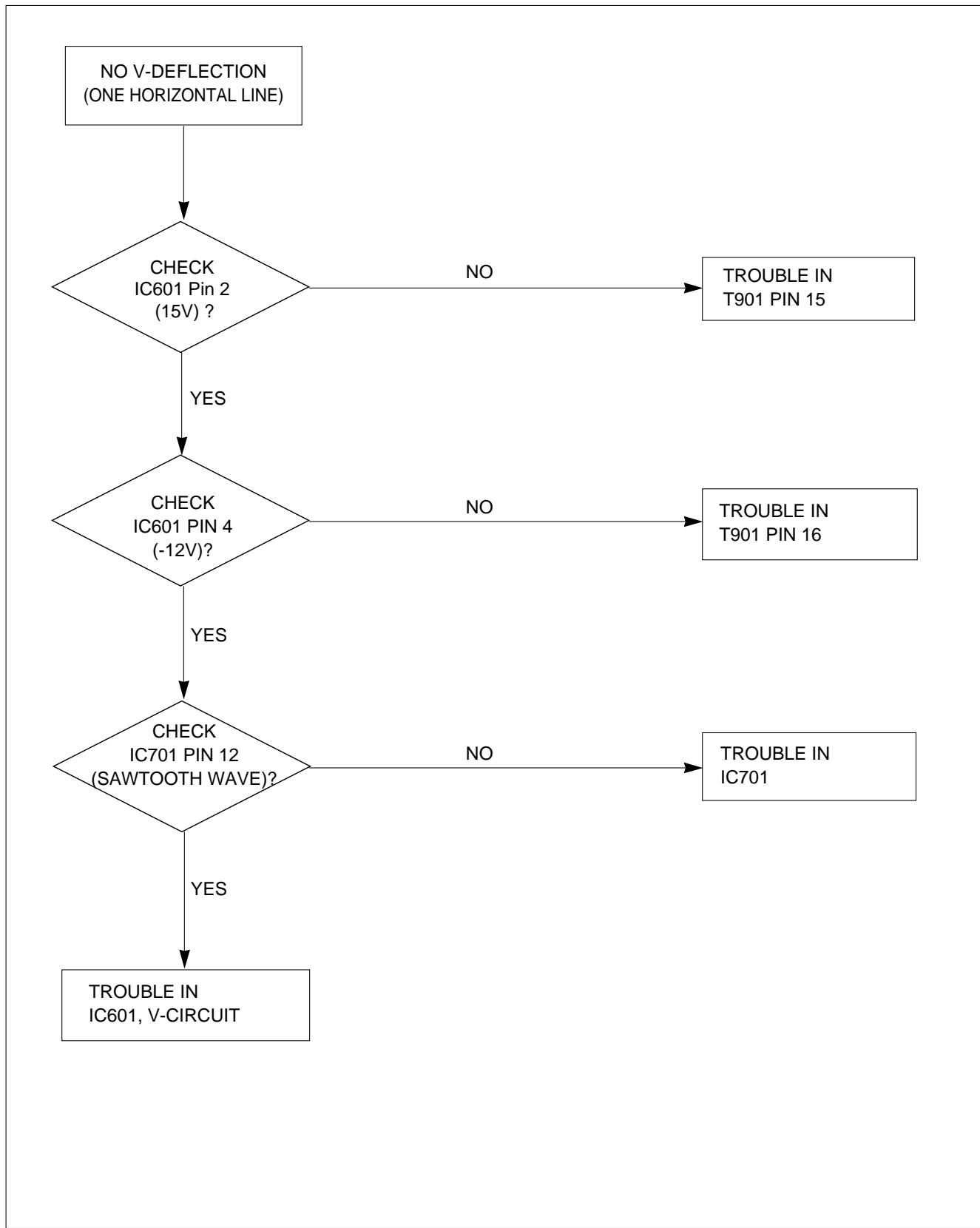
## 2. NO CHARACTER



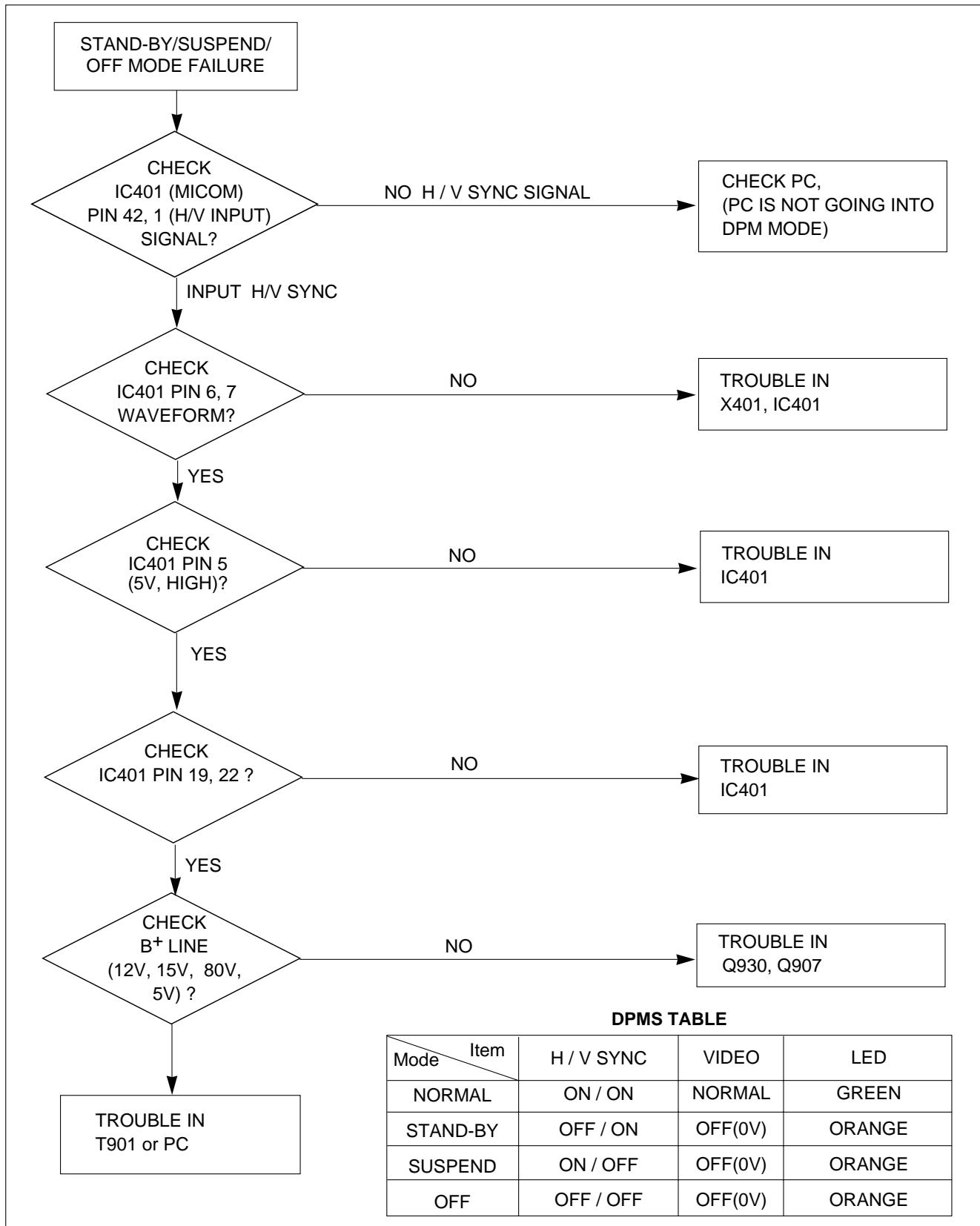
### 3. NO RASTER



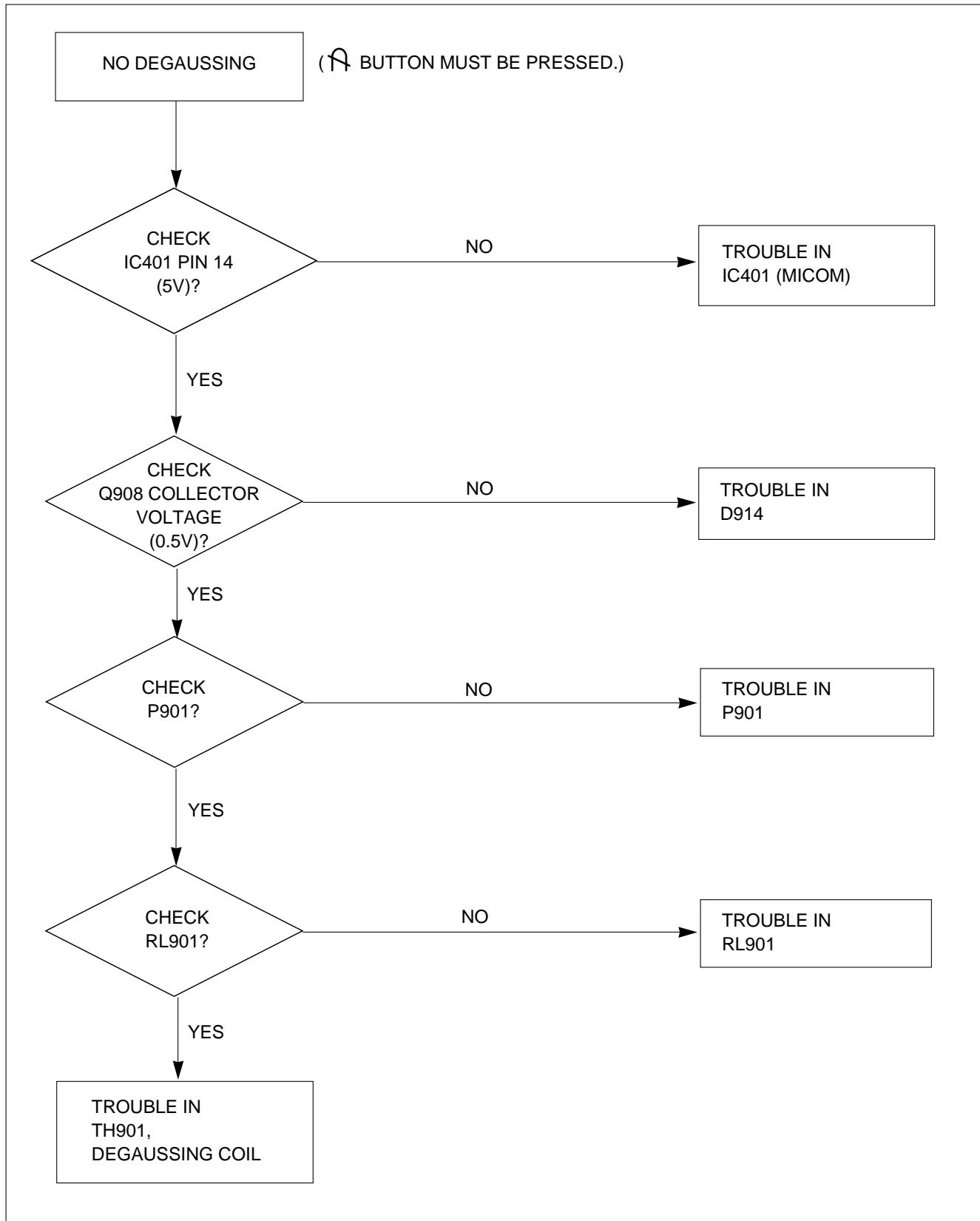
#### 4. NO VERTICAL DEFLECTION



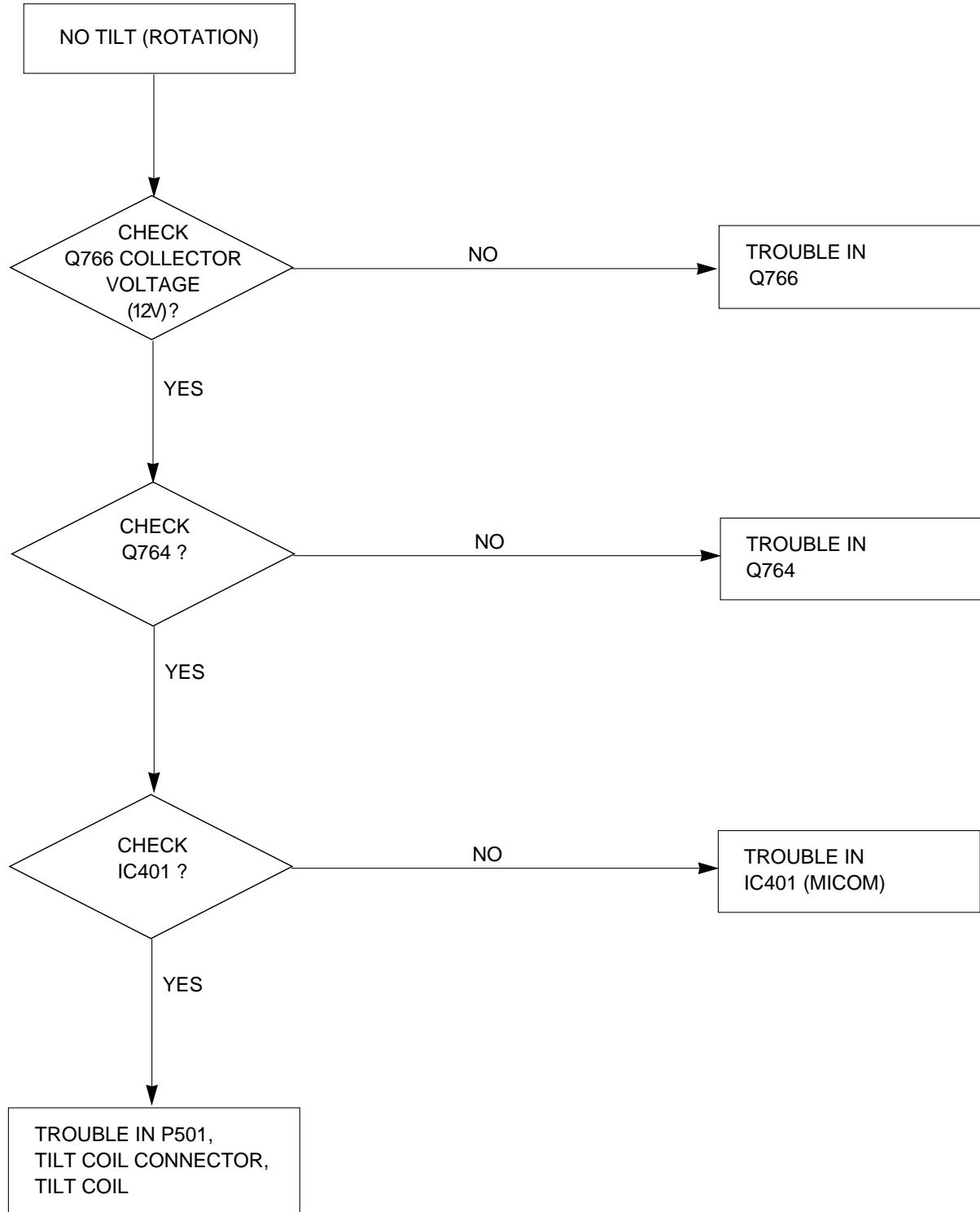
## 5. TROUBLE IN DPM



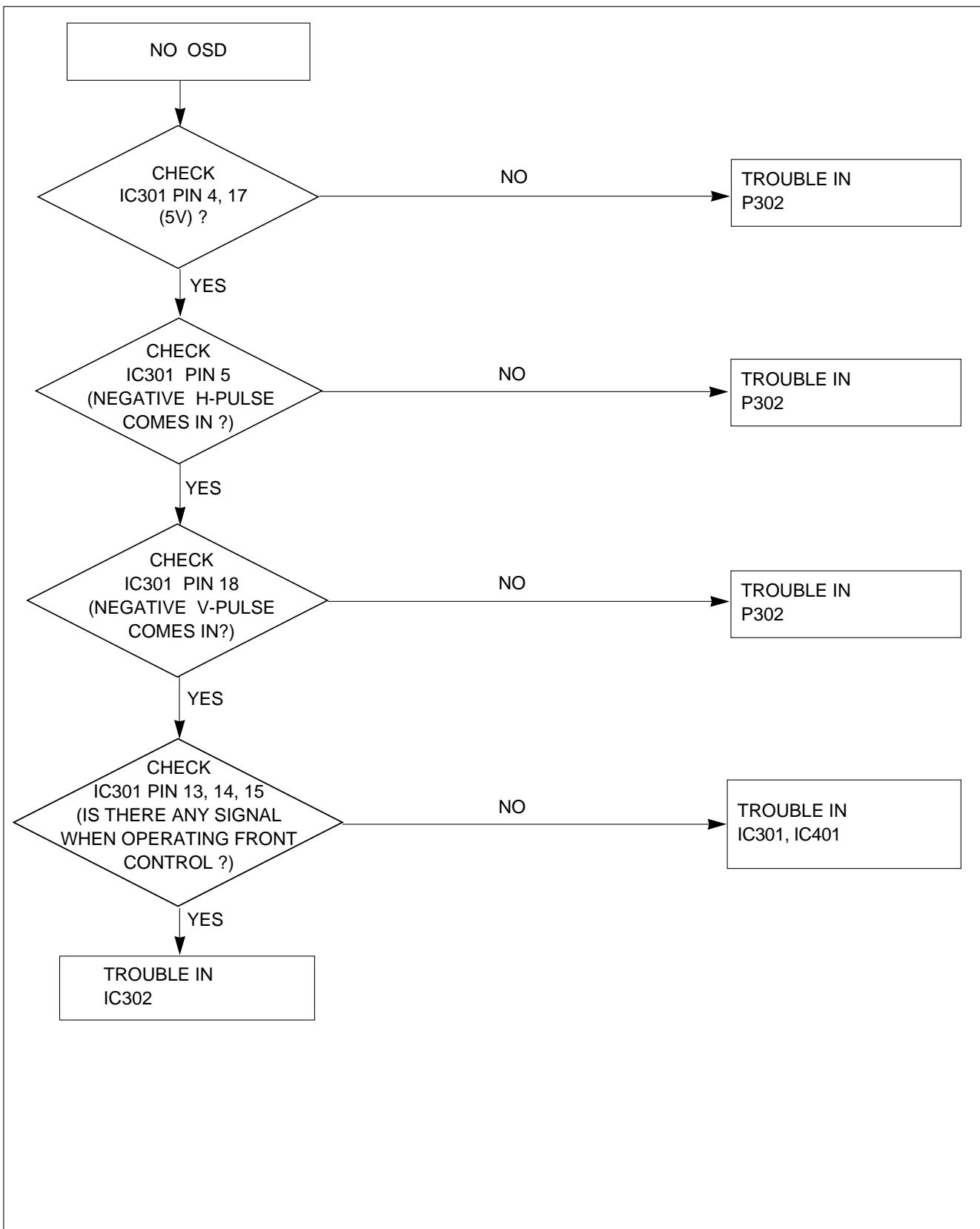
## 6. NO DEGAUSSING



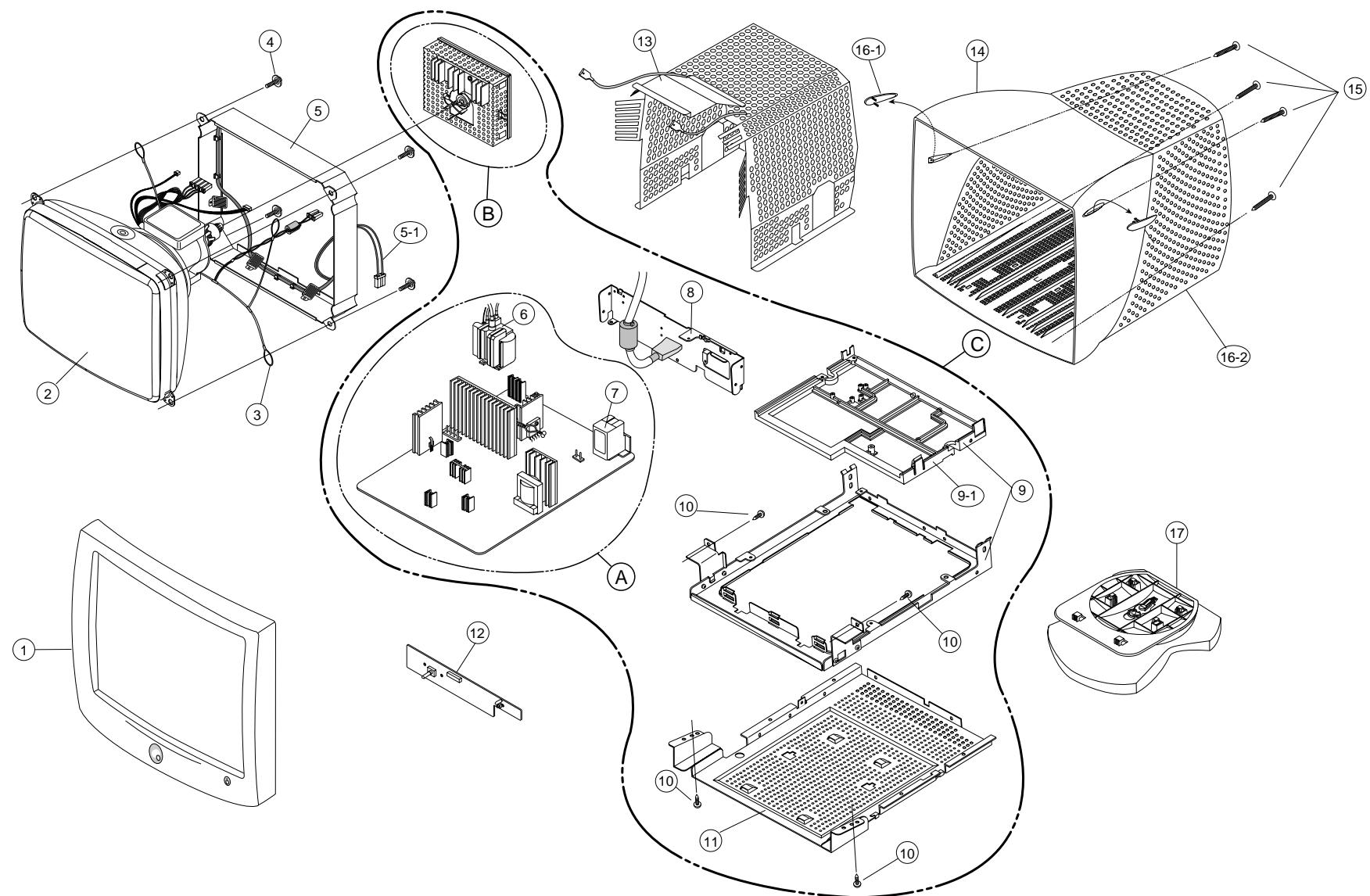
## 7. NO TILT (ROTATION)



## 8. TROUBLE IN OSD



# EXPLODED VIEW



## EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description
1	3091TKC053A	CABINET ASS'Y, CG992D G/WAY 3090TKC051 AF345
	3091TKC053B	CABINET ASS'Y, CG992D G/WAY TKC051-12446B LUPOY-(PFC, EUROPE ONLY)
2	2423GG2E91Q	CDT, M46QCG903X02NPAA
	2423GG2E91S	CDT, M46QCG913X02NPUD-(PFC, EUROPE ONLY)
3	6868T19001F	CDT EARTH, CB995D TIN WIRE BRAID(128)
4	339-002K	SCREW ASS'Y, TAPTITE P TYPE D5.0 L25.0 MSWR/FZMY
5	4951TKS045D	METAL ASS'Y, FRAME CB995C
5-1	6140TC2006A	DEGAUSSING COIL, 1330MM 16.5 OHM 0.45MM 110T 19" CB995C
6	6174T11002C	FBT, Y268069
7	6200TJB003B	FILTER(CIRC), EMI, BNS-02AALR-3
8	4814TKK133A	SHIELD, REAR BRACKET(CG991C)
9	4951TKS030M	METAL ASS'Y, SHIELD (CG992D/CV991D)
9-1	4810TKM040A	BARCKET, CB995D MAIN BRAND
10	332-102A	SCREW, PTP+4X8
11	4951TKK015C	METAL ASS'Y, SHIELD BOTTOM-CG991C
12	6871TST208B	PCB ASS'Y, SUB CG992D XGWM G/WAY MPR-II TOTAL
	6871TST208C	PCB ASS'Y, SUB CG992D ZGWE G/WAY TCO99 TOTAL-(PFC, EUROPE ONLY)
13	4815TKT010J	SHIELD ASS'Y, TOP CG992D
14	3809TKC030A	BACK COVER ASS'Y, CG992D 3808 TKC033 G/WAY-AF345
	3809TKC030B	BACK COVER ASS'Y, CG992D TKC030-12446B LUPOY-(PFC, EUROPE ONLY)
15	332-102J	SCREW, PTP+4X20
16-1	3550TKK159A	COVER, CG991C SCREW(L) G/WAY
16-2	3550TKK158A	COVER, CG991C SCREW(R) G/WAY
17	3043TKK067A	TILT SWIVEL ASS'Y, CG992D TKT 0481TK042 G/WAY
A	6871TMT207B	PCB ASS'Y, MAIN, CG992D XGWM, G/WAY MPR-II TOTAL
	6871TMT207C	PCB ASS'Y, MAIN, CG992D ZGWE, G/WAY TCO99 TOTAL-(PFC, EUROPE ONLY)
B	6871TVT207B	PCB ASS'Y, VIDEO CG992D XGWM, G/WAY MPR-II TOTAL
	6871TVT207C	PCB ASS'Y, VIDEO CG992D ZGWE, G/WAY TCO99 TOTAL-(PFC, EUROPE ONLY)
C	3313T19026B	MAIN TOTAL ASS'Y, CG992D G/WAY CA-84
	3313T19026C	MAIN TOTAL ASS'Y, CG992D G/WAY CA-84-(PFC, EUROPE ONLY)

## 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: EV910(EV910C)					DATE: 2000. 11. 21.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
CAPACITORS					
	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		
	C210	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52		
	C211	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52		
	C301	0CH3472K516	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 4700PF 50V K B 2012 R/TP		
	C302	181-288C	CAPACITOR, POLYESTER, MKT 100V 224JTR PHS 26224		
	C303	0CH6221K416	CAPACITOR, CHIP, [CERAMIC LD-LESS TC], 220PF 50V J NP0 2012 R/TP		
	C304	0CH6221K416	CAPACITOR, CHIP, [CERAMIC LD-LESS TC], 220PF 50V J NP0 2012 R/TP		
	C305	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)		
	C306	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C307	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)		
	C308	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)		
	C309	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR		
	C310	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5		
	C311	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5		
	C312	0CE3356K618	CAPACITOR, AL.ELECTROLYTIC, 3.3U SMS 50V M FM5 TP5		
	C313	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)		
	C314	0CH3103K516	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 10000PF 50V K B 2012 R/TP		
	C315	0CH3103K516	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 10000PF 50V K B 2012 R/TP		
	C316	0CH3103K516	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 10000PF 50V K B 2012 R/TP		
	C317	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)		
	C318	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104		
	C319	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C320	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C321	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C322	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)		
	C323	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C324	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C326	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474		
	C327	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5		
	C328	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474		
	C329	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474		
	C330	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474		
	C331	0CE226CP630	CAPACITOR, AL.ELECTROLYTIC, 22U SHL 160V M FM5		
	C332	0CK3320W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 3300P 500V K B TS		
	C333	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474		
	C334	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5		
	C335	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)		
	C336	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C337	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5		
	C338	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5		
	C339	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5		
	C340	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C341	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C342	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C343	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474		
	C344	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C345	0CK4710W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 470P 500V K B TS		
	C346	0CC4700W405	CAPACITOR, CERAMIC, (TEMP. COMPENSATE), 47PF 500V J SL TP		
	C347	0CK10302940	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.01M 2KV Z F S		
	C348	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C349	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C350	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C351	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5		
	C352	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5		
	C353	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C354	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP		
	C355	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5		
	C356	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52		

MODEL: EV910(EV910C)				DATE: 2000. 11. 21.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C357	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C358	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C360	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C361	0CK3320W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 3300P 500V K B TS	
		C362	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C363	0CE226EN638	CAPACITOR, AL.ELECTROLYTIC, 22UF KMG 100V M FM5 TP 5	
		C364	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C365	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C366	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C367	0CK10302940	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.01M 2KV Z F S	
		C368	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C369	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C370	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C371	0CE107BF638	CAPACITOR, AL.ELECTROLYTIC, 100UF KME 16V M FM5 TP5	
		C372	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C374	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C375	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C376	0CK3320W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 3300P 500V K B TS	
		C377	0CK3320W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 3300P 500V K B TS	
		C378	0CK3320W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 3300P 500V K B TS	
		C379	0CC4700W405	CAPACITOR, CERAMIC, (TEMP. COMPENSATE), 47PF 500V J SL TP	
		C380	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C381	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C382	0CH3104K946	CAPACITOR, CHIP, [CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C384	0CH6102K406	CAPACITOR, CHIP, [CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C385	0CH6102K406	CAPACITOR, CHIP, [CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C387	0CH6331K416	CAPACITOR, CHIP, [CERAMIC LD-LESS TC], 330PF 50V J NP0 2012 R/TP	
		C388	0CH6331K416	CAPACITOR, CHIP, [CERAMIC LD-LESS TC], 330PF 50V J NP0 2012 R/TP	
		C401	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C402	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C403	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C404	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C406	0CC1200K415	CAPACITOR, FIXED CERAMIC, (Temp.compensate), 12PF D 50V 5% NP0 TR	
		C407	0CC1200K415	CAPACITOR, FIXED CERAMIC, (Temp.compensate), 12PF D 50V 5% NP0 TR	
		C409	0CN2710K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 270P 50V K B TA52	
		C410	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C411	0CN2210K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 220P 50V K B TA52	
		C412	0CN2710K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 270P 50V K B TA52	
		C413	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C414	0CX3300K409	CAPACITOR, TUBULAR, (T.C), 33P 50V J SL TA52	
		C417	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C418	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C420	0CE475CK638	CAPACITOR, AL.ELECTROLYTIC, 4.7UF SHL,SD 50V M FM5 TP 5	
		C436	0CN2710K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 270P 50V K B TA52	
		C601	0CQ5621N419	CAPACITOR, POLYESTER, 5600P 100V J POLY NI TP	
		C602	0CE225CK638	CAPACITOR, AL.ELECTROLYTIC, 2.2UF SHL,SD 50V M FM5 TP 5	
		C603	0CN2220K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 2200PF 50V K B TA52	
		C604	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C605	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
		C606	0CK2220K515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 2200P 50V K B TS	
		C607	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C608	0CE108CF618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FL TP5	
		C610	0CE227EK618	CAPACITOR, AL.ELECTROLYTIC, 220UF KMG 50V M FL TP 5	
		C611	0CE108CH618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FL TP5	
		C612	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C615	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C616	0CE4746P618	CAPACITOR, AL.ELECTROLYTIC, 0.4700UF SMS 160V M FL TP5	
		C701	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C702	0CQ1021N419	CAPACITOR, POLYESTER, 1000P 100V J POLY NI TP	
		C703	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C704	0CK1010K515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 100PF 50V K B TR	
		C705	0CE477CF638	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL TYPE 16V M FM5 TP 5	
		C706	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
		C707	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C708	0CQ8221N519	CAPACITOR, POLYESTER, 0.0082U 100V K POLY NI TP	
		C709	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C710	0CQ1031N419	CAPACITOR, POLYESTER, 0.01U 100V J POLY NI TP	
		C711	0CQ5621N419	CAPACITOR, POLYESTER, 5600P 100V J POLY NI TP	
		C712	0CBZTBU004A	CAPACITOR, POLYPROPYLENE, 392J 29.0*19.5*8.5*20.0 2.5KV J BUP FM20	

MODEL: EV910(EV910C)				DATE: 2000. 11. 21.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C713	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C714	181-477U	CAPACITOR, POLYPROPYLENE, 33J 19.5*13.0*7.5*7.5 250V J PU TP7.5	
		C715	0CE476CR618	CAPACITOR, AL.ELECTROLYTIC, 47UF SHL,SD 250V M FL TP 5	
		C718	181-303B	CAPACITOR, POLYPROPYLENE, 124J 20.5*19.0*11.0*10.0 250V J PU FM10	
		C719	181-305N	CAPACITOR, POLYPROPYLENE, 105J 26.0*22.5*14.0*15.0 250V J MPP FM15	
		C720	181-482E	CAPACITOR, POLYPROPYLENE, 224J 18.0*16.0*9.5*7.5 250V J MPP TP7.5	
		C721	181-477Z	CAPACITOR, POLYPROPYLENE, 823J 20.0*17.5*10.0*7.5 250V J PU TP7.5	
		C722	181-482J	CAPACITOR, POLYPROPYLENE, 394J 18.0*19.0*12.0*7.5 250V J MPP TP7.5	
		C723	181-478B	CAPACITOR, POLYPROPYLENE, 124J 20.0*19.0*11.0*7.5 250V J PU TP7.5	
		C724	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C725	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C726	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C727	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C731	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C733	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C734	0CE1046K618	CAPACITOR, AL.ELECTROLYTIC, 0.1U SMS 50V M FM5 TP5	
		C735	0CK10102515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C736	0CQ3321N419	CAPACITOR, POLYESTER, 3300P 100V J POLY NI TP	
		C737	0CK4710W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 470P 500V K B TS	
		C738	0CK10102515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C739	0CQ2231N419	CAPACITOR, POLYESTER, 0.022UF 100V J PE NI TP	
		C740	0CE107EN618	CAPACITOR, AL.ELECTROLYTIC, 100UF KMG 100V M FL TP5	
		C742	0CK6810W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 680P 500V K B TS	
		C743	0CK47101515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 470P 1KV K B TS	
		C744	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
		C745	0CE476H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C746	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C747	0CE107CP630	CAPACITOR, AL.ELECTROLYTIC, 100UF SHL 160V M FM5 BULK	
		C748	181-477H	CAPACITOR, POLYPROPYLENE, 392J 19.5*12.0*7.0*7.5 250V J PU TP7.5	
		C749	0CK1040K945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C751	0CQ1021N419	CAPACITOR, POLYESTER, 1000P 100V J POLY NI TP	
		C752	0CBZTTA001B	CAPACITOR, POLYPROPYLENE, 122J 20.0*10.0*6.0*7.5 800V J BUP TP7.5	
		C754	0CE107CP630	CAPACITOR, AL.ELECTROLYTIC, 100UF SHL 160V M FM5 BULK	
		C755	0CE105CK638	CAPACITOR, AL.ELECTROLYTIC, 1UF SHL,SD 50V M FM5 TP 5	
		C756	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C757	0CE2266K618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 50V M FM5 TP(5)	
		C758	0CK10302945	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 0.01UF 2KV Z F TR	
		C761	0CE4766K618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 50V M FM5 TP(5)	
		C762	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C763	0CN1020K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 1000P 50V K B TA52	
		C764	0CE3366F618	CAPACITOR, AL.ELECTROLYTIC, 33U SMS 16V M FM5 TP5	
		C768	181-288Q	CAPACITOR, POLYESTER, MKT 100V 154JTR PHS26154	
		C770	0CC1000W105	CAPACITOR, CERAMIC, (TEMP. COMPENSATE), 10PF 500V D SL TR	
		C772	181-288F	CAPACITOR, POLYESTER, MKT 100V 184JTR PHS26184	
		C773	0CC1000W105	CAPACITOR, CERAMIC, (TEMP. COMPENSATE), 10PF 500V D SL TR	
		C774	0CN2220K519	CAPACITOR, TUBULAR, (HIGH DIELEC), 2200PF 50V K B TA52	
		C777	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C778	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C779	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C780	0CE107EP630	CAPACITOR, AL.ELECTROLYTIC, 100UF KMG 160V M FM5 BULK	
		C783	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C785	0CC4700K415	CAPACITOR, CERAMIC, (TEMP. COMPENSATE), 47P 50V J NP0 TP	
		C787	0CQ1021N419	CAPACITOR, POLYESTER, 1000P 100V J POLY NI TP	
		C788	181-477H	CAPACITOR, POLYPROPYLENE, 392J 19.5*12.0*7.0*7.5 250V J PU TP7.5	
		C791	0CK10101515	CAPACITOR, FIXED CERAMIC, (High dielectric), 100PF 1KV K B TR	
		C792	0CK10101515	CAPACITOR, FIXED CERAMIC, (High dielectric), 100PF 1KV K B TR	
		C793	0CE105CK638	CAPACITOR, AL.ELECTROLYTIC, 1UF SHL,SD 50V M FM5 TP 5	
		C795	181-288G	CAPACITOR, POLYESTER, MKT 100V 334JTR PHS26334	
		C796	0CN1040K949	CAPACITOR, TUBULAR, (HIGH DIELEC), 0.1M 50V Z F TA52	
		C797	0CK10102515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 100PF 2KV K B TR	
		C811	0CQ5621N419	CAPACITOR, POLYESTER, 5600P 100V J POLY NI TP	
		C812	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C813	0CK4710W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 470P 500V K B TS	
		C814	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C815	0CE4766H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C901	0CK10101515	CAPACITOR, FIXED CERAMIC, (High dielectric), 100PF 1KV K B TR	
		C902	0CK2710K515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 270P 50V K B TS	
		C903	0CK8210K515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 820P 50V K B TS	
		C904	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C905	0CE4766H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C906	0CE226CR618	CAPACITOR, AL.ELECTROLYTIC, 22UF SHL,SD 250V M FL TP 5	
		C907	181-296F	CAPACITOR, AL.ELECTROLYTIC, 330UF SMH(30*40) 400V M VNSN BULK	
		C908	181-288D	CAPACITOR, POLYESTER, MKT 100V 473JTR PHS26473	
		C909	0CE108CF630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FM5 BULK	
		C910	0CE108CF630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FM5 BULK	
		C911	0CE107CN618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 100V M FL TP5	
		C912	0CE107BK638	CAPACITOR, AL.ELECTROLYTIC, 1000UF KME 50V M FM5 TP5	
		C913	0CE227CR650	CAPACITOR, AL.ELECTROLYTIC, 220UF SHL 250V M FM7.5 BULK	
		C914	0CE107CP630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 160V M FM5 BULK	
		C915	181-308W	CAPACITOR, POLYPROPYLENE, 473J 20.0*22.0*14.5*10.0 630V J PU FM10	
		C916	0CE108CH618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FL TP5	
		C917	0CE108CH618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FL TP5	
		C918	0CK6810K515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 680P 50V K B TS	
		C919	0CK22101515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 220P 1KV K B TP5	
		C920	0CE2266N618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 100V M FM5 TP5	
		C921	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C922	0CKZTBU003C	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), SC E 472M 14.0BW7 250V BK	
		C923	0CK22101515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 220P 1KV K B TP5	
		C924	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C925	0CBZTBU002A	CAPACITOR, POLYESTER, BULK PCX2 335 224K	
		C926	181-305J	CAPACITOR, POLYPROPYLENE, 474J 26.0*17.0*10.5*15.0 250V J MPP FM15	
		C927	0CE108CH630	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FM5 BULK	
		C928	0CK10201515	CAPACITOR, FIXED CERAMIC, (High dielectric), 1000P 1KV K B TS	
		C929	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C931	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SMS 16V M TP(5)	
		C932	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C939	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C941	0CK1010W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 100P 500V K B TS	
		C942	0CK2710W515	CAPACITOR, CERAMIC, (HIGH DIELECTRIC), 270P 500V K B TS	
		C950	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
<b>DIODEs</b>					
		D201	0DL305029BA	LED, LTL-305DJ-0C2 TP LITEON GREEN/YELLOW 19/12.6MCD	
		D202	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D210	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		D301	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D302	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D303	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D304	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D305	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D306	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		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	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D312	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D313	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D314	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D315	0DS124409AA	DIODE, SWITCHING, 1SS244 TP ROHM KOREA	
		D318	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		D319	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		D401	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D403	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D404	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D405	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D406	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D407	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D408	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D409	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D410	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D411	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D412	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D601	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A 150NS 5UA	
		D701	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D702	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D703	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		D709	0DD400509BB	DIODE, RECTIFIER, UF4005(52MM) TP G.I DO41 600V 1A 30A 75NS 10UA	
		D710	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D711	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A .SEC 5UA	
		D712	0DD140009AA	DIODE, RECTIFIER, EK14 V(1) TP SANKEN E/EO-TMD 40V 1.5A 40A 0.2US	
		D713	0DR200000EA	DIODE, RECTIFIER, FMQ-G2FMS BK SANKEN NON 1500V 10A 50A 0.5USEC	
		D714	0DR260400AA	DIODE, RECTIFIER, S2L60-4004P15 BK SHINDENGEN NON 600V 1.5A 50A	
		D717	0DD140009AA	DIODE, RECTIFIER, EK14 V(1) TP SANKEN E/EO-TMD 40V 1.5A 40A 0.2US	
		D719	0DD245620AA	DIODE, RECTIFIER, 2NH45(LC6-20) BK TOSHIBA DO201AD 1000V 2A 50A	
		D720	0DD245620AA	DIODE, RECTIFIER, 2NH45(LC6-20) BK TOSHIBA DO201AD 1000V 2A 50A	
		D721	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D722	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D723	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A 150NS 5UA	
		D724	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D725	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D726	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D729	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A 150NS 5UA	
		D730	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D733	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D734	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D735	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D737	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D738	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D739	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D741	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D742	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D743	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D744	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D745	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D746	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D751	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D752	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A 250NS 5UA	
		D754	971-0054	WIRE, JUMP, TIN 50MM TAPING	
		D771	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D772	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D773	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D774	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D776	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D901	0DD360000DB	DIODE, BRIDGE, D3SB60 SHINDENKEN	
		D902	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D903	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D904	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A 250NS 5UA	
		D906	0DD200009AJ	DIODE, RECTIFIER, RL2Z V(1) TP SANKEN A-TMD 200V 2A 30A 50NS 50UA	
		D907	0DR200009AC	DIODE, RECTIFIER, UG2D TP G.I DO-204AC 200V 2A 80A 25NSEC 5UA	
		D908	0DD400509BB	DIODE, RECTIFIER, UF4005(52MM) TP G.I DO41 600V 1A 30A 75NS 10UA	
		D909	0DD200009AH	DIODE, RECTIFIER, RU2AMV(1) TP SANKEN R-TMD 600V 1.1A 20A 0.4US	
		D910	0DR260400AA	DIODE, RECTIFIER, S2L60-4004P15 BK SHINDENGEN NON 600V 1.5A 50A	
		D911	0DR260400AA	DIODE, RECTIFIER, S2L60-4004P15 BK SHINDENGEN NON 600V 1.5A 50A	
		D912	0DR210009AB	DIODE, RECTIFIER, RL2AV(1) TP SANKEN A-TMD 600V 1.1A 30A 50NS	
		D913	0DD200009AJ	DIODE, RECTIFIER, RL2Z V(1) TP SANKEN A-TMD 200V 2A 30A 50NS 50UA	
		D914	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D917	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D920	0DD100009DA	DIODE, RECTIFIER, RGP10J TP G.I DO204AL 600V 1A 30A 250NS 5UA	
		D921	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D922	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A .SEC 5UA	
		D923	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D933	0DR400409AB	DIODE, RECTIFIER, UF4004 TP G.I DO204AL 400V 1A 30A 50NSEC 10UA	
ZD301		0DZ560009CE		DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
ZD406		0DZ560009CE		DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
ZD701		0DZ110009AD		DIODE, ZENER, MTZJ11B TP ROHM-K DO34 500MW 11V 5MA	
ZD702		0DZ180009AG		DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
ZD703		0DZ560009CE		DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
ZD706		0DZ510009AB		DIODE, ZENER, MTZ5.1B TP ROHM-K DO34 500MW 5.1V 20MA	
ZD707		0DZ820009AH		DIODE, ZENER, MTZJ8.2B TP ROHM-K DO34 500MW 8.2V 5MA	
ZD708		0DZ180009AG		DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
ZD801		0DZ820009AH		DIODE, ZENER, MTZJ8.2B TP ROHM-K DO34 500MW 8.2V 5MA	
ZD802		0DZ560009CE		DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
ZD803		0DZ470005AA		DIODE, ZENER, MTZ 4.7B TP ROHM-K DO34 500MW 4.7V 20MA	
ZD804		0DZ750009AG		DIODE, ZENER, MTZJ7.5B TP ROHM-K DO34 0.5W 7.5V 5MA .PF	
ZD901		0DZ150009AD		DIODE, ZENER, MTZJ15B TP ROHM-K DO34 500MW 15V 5MA	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		ZD903 ZD904 ZD905	0DZ680009BB 0DZ560009CE 0DZ110009AD	DIODE, ZENER, MTZJ6.8B TP ROHM-K DO34 0.5W 6.8V 5MAA .PF DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM DIODE, ZENER, MTZJ11B TP ROHM-K DO34 500MW 11V 5MA	
ICs					
		IC301 IC302 IC303 IC401 IC402 IC601 IC701 IC703 IC705 IC901 IC902 IC904 IC905 IC907	0IDB164281B 0IMI527430B 0INS240200C 0IZZTSZ101A 0IAL240800A 0ISG817200A 0IPH485600A 0ISK682495A 0ISS358000C 0ISK645600A 0ILIB187000E 0ISS781200F 0ISS780500F 0ISS431000A	IC, DYNACOLOR, D1642818 24-P PDIP BK OSD IC CG991C/CV991C OEM IC, MITSUBISHI, M52743BSP 36P,SDIP BK 3CH VIDEO PREAMP IC, NATIONAL SEMICONDUCTOR, LM2402T 11P BK MONO.TRIPLE 3.5NSEC IC, DRAWING, MC68HC08BD 42PIN BK . IC, ATMEL, AT24C08 8D EEPROM(8K,IIC) IC, SGS-THOMSON, TDA8172 IC, PHILIPS, TDA4856 SDIP32 BK IIC DEFLECTION CONT. IC IC, SANKEN, STR-S6824(LF953) 9P BK POWER CONTROL IC IC, SAMSUNG ELECTRONICS, KA358 OP AMP IC, SANKEN, STR-F6456R 5PIN LF1351 BK SWITCHING REGULATOR IC, LITEON, LTV-817M B 4P BK PHOTO COUPLER CTR(130-260) IC, SAMSUNG ELECTRONICS, KA7812 IC, SAMSUNG ELECTRONICS, KA7805 IC, SAMSUNG ELECTRONICS, KA431AZ (LM431AZ)	
COILs & COREs					
		FB301 FB302 FB303 FB304 FB305 FB306 FB307 FB309 FB310 FB311 FB313 FB314 FB315 FB318 FB319 FB320 FB321 FB322 FB323 FB324 FB325 FB326 FB401 FB402 FB701 FB702 FB703 FB704 FB901 FB902 L301 L302 L303 L304 L305 L306 L307 L308 L701 L702 L703 L706 L901	125-155F 125-155J 125-155F 125-155J 125-155J 125-155J 125-155J 125-155A 125-155H 125-155J 6210TCE001L 6210TCE001L 6210TCE001L 125-155J 125-155L 125-155J 125-155J 6210TCE001Q 6210TCE001Q 6210TCE001Q 6210TCE001Q 125-155F 125-155J 125-155N 125-155P 125-155L 125-155H 125-155L 125-155L 125-155G 0LA0270K119 0LA0270K119 0LA0270K119 0LA1000K119 0LA1000K119 6200TEZ001B 6200TEZ001B 6200TEZ001B 150-235C 150-985N 6140TYZ007A 6140TBZ009C 150-235C	CORE, (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS3510R2FG SAMWHA 3.5*10MM RADIAL CORE, (CIRC), BEAD, BFS3510A0FG SAMWHA 3.5*10MM AXIAL52MM CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS3580R2FG SAMWHA 3.5*8.0MM RADIAL CORE, (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM CORE, (CIRC), BEAD, BFD3565R2FG SAMWHA 3.5*6.5MM RADIAL CORE, (CIRC), BEAD, BFS2550R2FG SAMWHA 2.5*5.0MM RADIAL CORE, (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM CORE, (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM INDUCTOR, AXIAL LEAD, 0.27UH K 2.3*3.4 TP INDUCTOR, AXIAL LEAD, 0.27UH K 2.3*3.4 TP INDUCTOR, AXIAL LEAD, 0.27UH K 2.3*3.4 TP INDUCTOR, AXIAL LEAD, 100UH K 2.3*3.4 TP INDUCTOR, AXIAL LEAD, 100UH K 2.3*3.4 TP FILTER, (CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK FILTER, (CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK FILTER, (CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK COIL, CHOKE, DR8*11 100UH 0.4MM 53.5T COIL, CHOKE, DR10*10 4.7UH 0.16MM 322.5T FILTER CHOKE COIL, LINEARITY, DR14*15 14*7T 2.4UH 0.12*40MM 17 COIL, CHOKE, NO CORE 10UH 0.12*15MM 50.5T FILTER CHOKE COIL, CHOKE, DR8*11 100UH 0.4MM 53.5T	
TRANSISTORS					
		Q201	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		Q202	0TR102009AB	TRANSISTOR, KRC102M,TP(KRC1202),KEC	
		Q301	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q303	0TR920009AB	TRANSISTOR, KSP92 TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q304	0TR920009AB	TRANSISTOR, KSP92 TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q305	0TR920009AB	TRANSISTOR, KSP92 TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q306	0TR420009CA	TRANSISTOR, KSP42TA TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q307	0TR420009CA	TRANSISTOR, KSP42TA TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q308	0TR420009CA	TRANSISTOR, KSP42TA TP SAMSUNG TO92 HIGH VOLTAGE TR	
		Q309	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q310	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q311	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q312	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q313	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q314	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q315	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q316	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q604	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q701	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q702	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q703	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
		Q704	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SAMSUNG TO92 PNP	
		Q705	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
		Q706	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SAMSUNG TO92 PNP	
		Q707	0TR216101AA	TRANSISTOR, KTD2161-Y ST KEC TO220AB NPN TR	
		Q708	0TR558900BA	TRANSISTOR, 2SC5589(LG,W/M) BK TOSHIBA TO3P H-OUT TR 1500V 23A	
		Q711	0TR200009AB	TRANSISTOR, KTC200-Y TP KEC TO92 NPN	
		Q718	0TF640000CA	FET, IRFS640A BK SAMSUNG 200V 9A TO220F	
		Q719	0TF630000CA	FET, IRFS630A BK SAMSUNG 200V 6.5A TO220F	
		Q720	0TF640000CA	FET, IRFS640A BK SAMSUNG 200V 9A TO220F	
		Q725	0TR101309CC	TRANSISTOR, KSA1013-YTA TP SAMSUNG TO92L PNP	
		Q726	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q728	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q729	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q737	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q739	0TR463300AB	TRANSISTOR, 2SC4633(LS-CB11) BK SANYO LS-CB11 NPN	
		Q741	0TR463300AB	TRANSISTOR, 2SC4633(LS-CB11) BK SANYO LS-CB11 NPN	
		Q742	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q743	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q745	0TR390600CA	TRANSISTOR, 2N3906 TP SAMSUNG TO92 NPN	
		Q750	0TF283509AA	FET, 2SK2835(TP) TP TOSHIBA 200V 5A NON	
		Q751	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q752	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q753	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q754	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q760	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q761	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q762	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q763	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q764	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q765	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q766	0TR320509AB	TRANSISTOR, KTC3205-Y(KTC2236A) TP KEC TO92L NPN	
		Q767	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q901	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q902	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q904	0TR319809AB	TRANSISTOR, KTC3198-GR(KTC1815) TP KEC TO92 NPN	
		Q905	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q906	0TR127509AC	TRANSISTOR, KTA1275-Y(KTA1013) TP KEC TO92L PNP	
		Q907	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q908	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q911	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q930	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q931	0TR127509AC	TRANSISTOR, KTA1275-Y(KTA1013) TP KEC TO92L PNP	
RESISTORS					
		R201 R202 R203 R204	0RD3301Q609 0RD4701Q609 0RD3301Q609 0RD4701Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52 RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52 RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52 RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R205	0RD2400Q609	RESISTOR, FIXED CARBON FILM, 240 OHM 1/4 W (3.4) 5% TA52	
		R215	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 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	
		R219	0RD4300Q609	RESISTOR, FIXED CARBON FILM, 430OHM 1/4 W(3.4) 5.00% TA52	
		R305	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		R306	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		R307	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		R310	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R311	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R312	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R313	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		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	0RH3300D622	RESISTOR, CHIP, 330 1/10W 5 D.R/TP	
		R317	0RH3300D622	RESISTOR, CHIP, 330 1/10W 5 D.R/TP	
		R318	0RH3300D622	RESISTOR, CHIP, 330 1/10W 5 D.R/TP	
		R319	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R320	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R321	0RN2002F409	RESISTOR, FIXED METAL FILM, 20K 1/6W 1% TA52	
		R322	0RN2201F409	RESISTOR, FIXED METAL FILM, 2.20K 1/6W 1% TA52	
		R323	0RH1801D622	RESISTOR, CHIP, 1.8K 1/10W 5 D.R/TP	
		R324	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R325	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R326	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R328	0RH1801D622	RESISTOR, CHIP, 1.8K 1/10W 5 D.R/TP	
		R329	0RH1801D622	RESISTOR, CHIP, 1.8K 1/10W 5 D.R/TP	
		R332	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R333	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R334	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R335	0RD1200Q609	RESISTOR, FIXED CARBON FILM, 120 1/4W(3 5% TA52	
		R336	0RD1100Q609	RESISTOR, FIXED CARBON FILM, 110 1/4W(3 5% TA52	
		R337	0RD1100Q609	RESISTOR, FIXED CARBON FILM, 110 1/4W(3 5% TA52	
		R338	0RX0332K665	RESISTOR, SMALL FIX METAL FILM OXIDE, 33 OHM 2 W 5% SF	
		R339	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R340	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R341	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R342	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R343	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R344	0RH5602D622	RESISTOR, CHIP, 56K 1/10W 5 D.R/TP	
		R345	0RH5602D622	RESISTOR, CHIP, 56K 1/10W 5 D.R/TP	
		R346	0RH5602D622	RESISTOR, CHIP, 56K 1/10W 5 D.R/TP	
		R347	0RH2402D622	RESISTOR, METAL GLAZED, (CHIP), 24KOHM 1 / 10 W 2012 5.00% D	
		R348	0RD2402Q609	RESISTOR, FIXED CARBON FILM, 24K 1/4W(3 5% TA52	
		R349	0RD2402Q609	RESISTOR, FIXED CARBON FILM, 24K 1/4W(3 5% TA52	
		R350	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R351	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R352	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R354	0RD1300A609	RESISTOR, FIXED CARBON FILM, 130 OHM 1/2 W (7.0) 5% TA52	
		R355	0RD1300A609	RESISTOR, FIXED CARBON FILM, 130 OHM 1/2 W (7.0) 5% TA52	
		R356	0RH3901D622	RESISTOR, CHIP, 3.9K 1/10W 5 D.R/TP	
		R357	0RH3901D622	RESISTOR, CHIP, 3.9K 1/10W 5 D.R/TP	
		R358	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R359	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R360	0RH4701D622	RESISTOR, CHIP, 4.7K 1/10W 5 D.R/TP	
		R361	0RH4701D622	RESISTOR, CHIP, 4.7K 1/10W 5 D.R/TP	
		R362	0RD2401Q609	RESISTOR, FIXED CARBON FILM, 2.40K 1/4W(3 5% TA52	
		R363	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		R364	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R365	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		R366	0RH4700D622	RESISTOR, CHIP, 470 1/10W 5 D.R/TP	
		R367	0RH1102D622	RESISTOR, CHIP, 11K 1/10W 5 D.R/TP	
		R370	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R371	0RH4702D622	RESISTOR, CHIP, 47K 1/10W 5 D.R/TP	
		R372	0RH4702D622	RESISTOR, CHIP, 47K 1/10W 5 D.R/TP	
		R373	0RH4702D622	RESISTOR, CHIP, 47K 1/10W 5 D.R/TP	
		R374	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R375	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	
		R376	0RH2401D622	RESISTOR, CHIP, 2.4K 1/10W 5 TA	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R377	0RH1102D622	RESISTOR, CHIP, 11K 1/10W 5 D.R/TP	
		R379	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R380	0RD0752Q609	RESISTOR, FIXED CARBON FILM, 75 1/4W(3.5% TA52	
		R381	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R383	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R384	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R385	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R386	0RH4703D622	RESISTOR, CHIP, 470K 1/10W 5 D.R/TP	
		R387	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3.5% TA52	
		R388	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5% TA52	
		R389	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R390	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R391	0RH1001D622	RESISTOR, METAL GLAZED, (CHIP), 1KOHM 1 / 10 W 2012 5.00% D	
		R392	0RX1302J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 13KOHM 1 W 5% TA52	
		R394	0RN0560H609	RESISTOR, FIXED METAL FILM, 0.56 1/2W 5 TA52	
		R401	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3.5% TA52	
		R402	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R403	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R405	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R406	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R408	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R409	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R410	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R411	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3.5% TA52	
		R413	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3.5% TA52	
		R414	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3.5% TA52	
		R415	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3.5% TA52	
		R416	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3.5% TA52	
		R417	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R419	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R421	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R422	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R423	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R424	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3.5% TA52	
		R425	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R427	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R428	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R429	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R432	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R434	0RD2002Q609	RESISTOR, FIXED CARBON FILM, 20K 1/4W(3.5% TA52	
		R435	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3.5% TA52	
		R436	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3.5% TA52	
		R437	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R438	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R439	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R440	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R443	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3.5% TA52	
		R444	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3.5% TA52	
		R470	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3.5% TA52	
		R471	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3.5% TA52	
		R472	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3.5% TA52	
		R473	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R474	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R522	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3.5% TA52	
		R601	0RN7501F409	RESISTOR, FIXED METAL FILM, 7.50K 1/6W 1% TA52	
		R602	0RD1202Q509	RESISTOR, FIXED CARBON FILM, 12K OHM 1/4 W (3.4) 2% TA52	
		R603	0RN9100F409	RESISTOR, FIXED METAL FILM, 910 1/6W 1% TA52	
		R604	0RN3901F409	RESISTOR, FIXED METAL FILM, 3.90K 1/6W 1% TA52	
		R605	0RN4701F409	RESISTOR, FIXED METAL FILM, 4.70K 1/6W 1% TA52	
		R606	0RN1801F409	RESISTOR, FIXED METAL FILM, 1.80K 1/6W 1% TA52	
		R607	0RD0331A609	RESISTOR, FIXED CARBON FILM, 3.3 OHM 1/2 W (7.0) 5% TA52	
		R608	0RD4700A609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/2 W (7.0) 5% TA52	
		R609	0RN0121H509	RESISTOR, FIXED METAL FILM, 1.2 1/2W 2 TA52	
		R613	0RN1802F409	RESISTOR, FIXED METAL FILM, 18K 1/6W 1% TA52	
		R617	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3.5% TA52	
		R618	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3.5% TA52	
		R620	0RN0152G609	RESISTOR, FIXED METAL FILM, 15 1/4W 5 TA52	
		R701	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3.5% TA52	
		R702	0RN1002F409	RESISTOR, FIXED METAL FILM, 10K 1/6W 1 TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R703	0RN4702F409	RESISTOR, FIXED METAL FILM, 47K 1/6W 1% TA52	
		R704	0RD4702Q509	RESISTOR, FIXED CARBON FILM, 47000OHM 1/4 W (3.4) 2% TA52	
		R705	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R706	0RD2002Q509	RESISTOR, FIXED CARBON FILM, 20K OHM 1/4 W (3.4) 2% TA52	
		R707	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R708	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R709	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R710	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R711	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R712	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
		R713	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R714	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R715	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
		R716	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R717	0RD4301Q609	RESISTOR, FIXED CARBON FILM, 4.30K 1/4W(3 5% TA52	
		R718	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R719	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R720	0RD2202Q509	RESISTOR, FIXED CARBON FILM, 22K OHM 1/4 W(3.4) 2% TA52	
		R721	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
		R722	0RN6800F409	RESISTOR, FIXED METAL FILM, 680 1/6W 1% TA52	
		R723	0RN2701F409	RESISTOR, FIXED METAL FILM, 2.70K 1/6W 1% TA52	
		R724	0RN3001F409	RESISTOR, FIXED METAL FILM, 3K 1/6W 1% TA52	
		R731	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R732	0RD6201Q609	RESISTOR, FIXED CARBON FILM, 6.20K 1/4W(3 5% TA52	
		R733	0RD1504Q609	RESISTOR, FIXED CARBON FILM, 1.5M OHM 1/4 W (3.4) 5% TA52	
		R738	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R739	0RD1001Q509	RESISTOR, FIXED CARBON FILM, 1K OHM 1/4 W (3.4) 2% TA52	
		R740	0RD6202A609	RESISTOR, FIXED CARBON FILM, 62K OHM 1/2 W (7.0) 5% TA52	
		R742	0RN2001F409	RESISTOR, FIXED METAL FILM, 2K 1/6W 1% TA52	
		R743	0RD1202Q609	RESISTOR, FIXED CARBON FILM, 12K 1/4W(3 5% TA52	
		R744	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R745	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R746	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R747	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R748	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R749	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R750	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R751	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R762	0RX1200K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 120 OHM 2 W 5% TA62	
		R762-1	0RX1200K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 120 OHM 2 W 5% TA62	
		R763	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R764	0RX0221K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 2.2 OHM 2 W 5% TA62	
		R765	0RX0221K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 2.2 OHM 2 W 5% TA62	
		R766	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R767	0RD3000A609	RESISTOR, FIXED CARBON FILM, 300 OHM 1/2 W (7.0) 5% TA52	
		R768	0RX0472K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 47 OHM 2 W 5% TA62	
		R770	0RX1800K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 180 OHM 2 W 5% TA62	
		R772	0RD2401Q609	RESISTOR, FIXED CARBON FILM, 2.40K 1/4W(3 5% TA52	
		R773	0RX0122K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 12 OHM 2 W 5% TA62	
		R774	0RMZTWD001C	RESISTOR, DRAWING, 47 OHM 7 W 5% RWR PD-TYPE	
		R778	0RMZTNV001A	RESISTOR, CEMENT, 3.3 OHM 5 W 5% B ,RWN,V-TYPE	
		R780	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R781	0RD6201Q609	RESISTOR, FIXED CARBON FILM, 6.20K 1/4W(3 5% TA52	
		R782	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R783	0RD5101Q609	RESISTOR, FIXED CARBON FILM, 5.10K 1/4W(3 5% TA52	
		R784	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R785	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R786	0RX1001J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 1K OHM 1 W 5% TA52	
		R788	0RN3300F409	RESISTOR, FIXED METAL FILM, 330 1/6W 1% TA52	
		R789	0RD3300Q609	RESISTOR, FIXED CARBON FILM, 330 1/4W(3 5% TA52	
		R790	0RD3003Q509	RESISTOR, FIXED CARBON FILM, 300K OHM 1/4 W (3.4) 2% TA52	
		R791	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R792	0RN1002F409	RESISTOR, FIXED METAL FILM, 10K 1/6W 1 TA52	
		R794	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R795	0RD3000Q609	RESISTOR, FIXED CARBON FILM, 300 1/4W(3 5% TA52	
		R796	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R797	0RB0180K607	RESISTOR, FIX WIRE-WOUND PRECISION, 0.18OHM 2 W 5% TA62	
		R799	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R801	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	

MODEL: EV910(EV910C)				DATE: 2000. 11. 21.	
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R802	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3.5% TA52	
		R803	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3.5% TA52	
		R804	0RD7503Q609	RESISTOR, FIXED CARBON FILM, 750K 1/4W(3.5% TA52	
		R805	0RD5600Q609	RESISTOR, FIXED CARBON FILM, 560 1/4W(3.5% TA52	
		R806	0RD2200Q609	RESISTOR, FIXED CARBON FILM, 220 1/4W(3.5% TA52	
		R807	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R809	0RD1102Q609	RESISTOR, FIXED CARBON FILM, 11K 1/4W(3.5% TA52	
		R811	0RD9100Q609	RESISTOR, FIXED CARBON FILM, 910 1/4W(3.5% TA52	
		R812	0RX1503K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 150K OHM 2W 5% TA62	
		R813	0RD4302Q609	RESISTOR, FIXED CARBON FILM, 43K 1/4W(3.5% TA52	
		R814	0RD3601Q609	RESISTOR, FIXED CARBON FILM, 3.60K 1/4W(3.5% TA52	
		R816	0RD7501A609	RESISTOR, FIXED CARBON FILM, 7.5K OHM 1/2W (7.0) 5% TA52	
		R817	0RX1503K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 150K OHM 2W 5% TA62	
		R818	0RX1503K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 150K OHM 2W 5% TA62	
		R823	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
⚠		R825	0RN1002F409	RESISTOR, FIXED METAL FILM, 10K 1/6W 1% TA52	
⚠		R826	0RN9101F409	RESISTOR, FIXED METAL FILM, 9.10K 1/6W 1% TA52	
⚠		R827	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3.5% TA52	
⚠		R828	0RD5600Q609	RESISTOR, FIXED CARBON FILM, 560 1/4W(3.5% TA52	
⚠		R829	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3.5% TA52	
⚠		R830	0RD1004A609	RESISTOR, FIXED CARBON FILM, 1.0M OHM 1/2W (7.0) 5% TA52	
⚠		R831	0RD7501Q509	RESISTOR, FIXED CARBON FILM, 7.5K OHM 1/4W (3.4) 2% TA52	
		R835	0RD2000Q609	RESISTOR, FIXED CARBON FILM, 200 1/4W(3.5% TA52	
		R836	0RD3300Q609	RESISTOR, FIXED CARBON FILM, 330 1/4W(3.5% TA52	
		R837	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3.5% TA52	
		R838	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R839	0RD1102Q609	RESISTOR, FIXED CARBON FILM, 11K 1/4W(3.5% TA52	
		R840	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3.5% TA52	
		R841	0RD0822A609	RESISTOR, FIXED CARBON FILM, 82 OHM 1/2W (7.0) 5% TA52	
		R842	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3.5% TA52	
		R843	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R844	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R845	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3.5% TA52	
		R846	0RD2401Q609	RESISTOR, FIXED CARBON FILM, 2.40K 1/4W(3.5% TA52	
		R847	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R848	0RD3901Q609	RESISTOR, FIXED CARBON FILM, 3.90K 1/4W(3.5% TA52	
		R849	0RD102A609	RESISTOR, FIXED CARBON FILM, 10 OHM 1/2W (7.0) 5% TA52	
		R901	180-465H	RESISTOR, CEMENT, 0.24 OHM 5W 5% B RWR	
		R903	0RX7502J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 75K OHM 1W 5% TA52	
		R904	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R905	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4W (3.4) 5% TA52	
		R906	0RB0100K607	RESISTOR, FIX WIRE-WOUND PRECISION, 0.1 OHM 2W 5% TA62	
		R907	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4W (3.4) 5% TA52	
		R908	0RD1303A609	RESISTOR, FIXED CARBON FILM, 130K OHM 1/2W (7.0) 5% TA52	
		R909	0RX2703K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 270KOHM 2W 5% TA62	
		R910	0RN1102F409	RESISTOR, FIXED METAL FILM, 11K 1/6W 1% TA52	
⚠		R911	0RC1303H409	RESISTOR, FIXED CARBON COMPOSITION, 130KOHM 1/2W 1% TA52	
		R912	0RN5101F409	RESISTOR, FIXED METAL FILM, 5.10K 1/6W 1% TA52	
		R913	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3.5% TA52	
		R914	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52	
		R915	0RN1801F409	RESISTOR, FIXED METAL FILM, 1.80K 1/6W 1% TA52	
		R916	0RD3901A609	RESISTOR, FIXED CARBON FILM, 3.9K OHM 1/2W (7.0) 5% TA52	
		R917	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3.5% TA52	
		R918	0RD2402A609	RESISTOR, FIXED CARBON FILM, 24K OHM 1/2W (7.0) 5% TA52	
		R919	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4W (3.4) 5% TA52	
		R920	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3.5% TA52	
		R921	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3.5% TA52	
		R922	0RD0101A609	RESISTOR, FIXED CARBON FILM, 1 OHM 1/2W (7.0) 5% TA52	
		R923	0RD8202A609	RESISTOR, FIXED CARBON FILM, 82K OHM 1/2W (7.0) 5% TA52	
		R924	0RD8202A609	RESISTOR, FIXED CARBON FILM, 82K OHM 1/2W (7.0) 5% TA52	
		R925	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R926	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3.5% TA52	
		R927	0RD0472A609	RESISTOR, FIXED CARBON FILM, 47 OHM 1/2W (7.0) 5% TA52	
		R928	0RD1303A609	RESISTOR, FIXED CARBON FILM, 130K OHM 1/2W (7.0) 5% TA52	
		R930	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3.5% TA52	
		R931	0RD0102A609	RESISTOR, FIXED CARBON FILM, 1 OHM 1/2W (7.0) 5% TA52	
		R933	0RX0391J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 3.9 OHM 1W 5% TA52	
		R934	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52	
		R935	0RD2200A609	RESISTOR, FIXED CARBON FILM, 220 OHM 1/2W (7.0) 5% TA52	

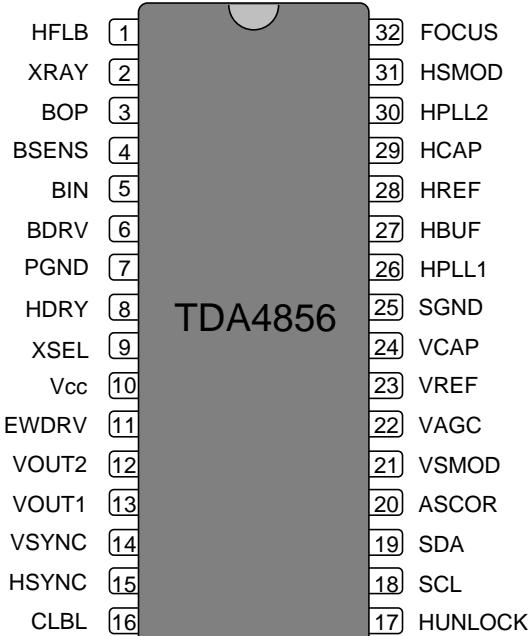
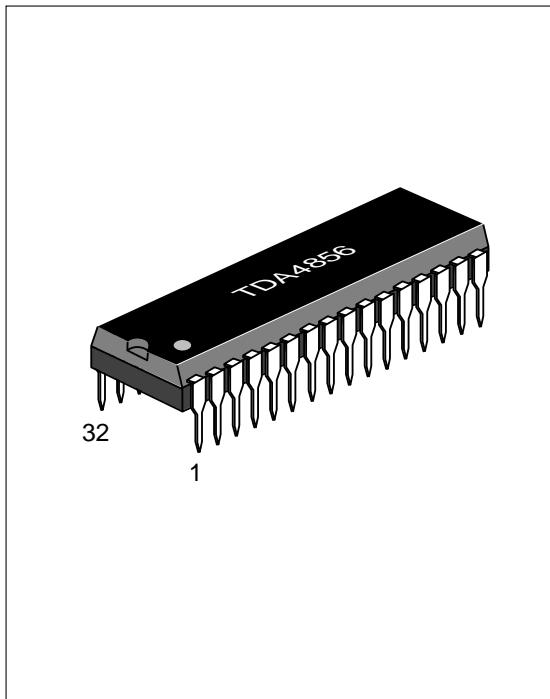
MODEL: EV910(EV910C)					DATE: 2000. 11. 21.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R936 R937 R938 R940 R941 R942 R943 R944 R947 R950	0RD4701Q609 0RD1002Q609 0RD1200Q609 0RX0471K607 971-0054 0RD1001Q609 0RD2002Q609 0RD7501Q609 0RD2001Q609 971-0054	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 10K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 120 1/4W(3.5% TA52 RESISTOR, SMALL FIX METAL FILM OXIDE, 4.7 OHM 2 W 5% TA62 WIRE, JUMP, TIN 50MM TAPING RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 20K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 7.50K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 2K 1/4W(3.5% TA52 WIRE, JUMP, TIN 50MM TAPING	
OTHERs					
		F1 F2 F901 J21 J36 J37 J50 RL901 SC301 SC901 SG301 SG302 SG303 SG304 SG305 SG701 SW201 T701 T702 T703 T901 T902 T904 TH901 TH902 VR201 VR701 VR901 X401	430-858C 430-858C 131-040E 0RD1002Q609 0RD4701Q609 0RD4701Q609 0RD1001Q609 6920TBB005A 6620TBD003A 6200TJB003B 6918TAT005E 6918TAT005E 6918TAT005E 6918TAT005E 165-004A 165-004A 140-058D 6174T11002C 151-515A 6140TDZ004B 6170TMZ102A 151-414E 6140TBZ032A 6322TB070AA 6322TA080AB 6110T1H003B 180-035L 180-035D 6202TTB004C	FUSE HOLDER, AFC-520 BAE EUN TA FUSE HOLDER, AFC-520 BAE EUN TA FUSE, TIME LAG, 5A 250V HBC UL/CSA TRIAD RESISTOR, FIXED CARBON FILM, 10K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3.5% TA52 RESISTOR, FIXED CARBON FILM, 1K 1/4W(3.5% TA52 RELAY, DC, ALA2PF12 MATSUSHITA 250V 5A 12V 44.2MA 272 OHM 2A SOCKET, (CIRC), CPT, PCS701E PARK ELEC. 10PIN 14/360 STRAIGHT FILTER, (CIRC), EMI, BNS-02AA2LR-3 BAE EUN CB995C SPARK GAP, AXIAL, MTAS-201M GIGA AXIAL TAPING SPARK GAP, RADIAL, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK SPARK GAP, RADIAL, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZONTAL 160 FBT, (FLY BACK TRANSFORMER), "Y268069(HFL1127RD) HITACHI 19""" TRANSFORMER, HORIZONTAL DRIVER, EI 2519 4.5MH CF201 COIL, DUMMY, EER2834 1.5MH CB995C TRANSFORMER, SMPS, EER4445S 180 UH V-18PIN CB995D CS/SI . TRANSFORMER, PULSE, UU1116 8.8MH PLUSE COIL, CHOKE, EE42SI PFC 49MH 0.42MM 230 +/- 10T 44MH(MIN)-PFC ONLY THERMISTOR, PTC, J503P63D070M290S JA HWA +/- 20% 220V -10/+85 P6 THERMISTOR, NTC, TP8D15 DAEWOO +/- 15% 110/220V -20/+170 3100 VOLUME, "EC11B20244 240K F L17 ""ENCORD+S/W,20C/20P,W/DETENT" VOLUME, EVN-DJAA03B53 (MEC),5KB VOLUME, EVN-DJAA03B32 (MEC),300B CRYSTAL, HC-49/U KONY RADIAL 24.0MHZ 30PPM 20PF BK	
MISCELLANEOUS					
		D/COIL CDT SET CDT SET S/CABLE P/CORD CDT EARTH	6140TC2006A 2423GG2E91Q 2423GG2E91S 387-874F 6410TUW001B 6868T19001F	COIL,DEGAUSSING, "1330MM 16.5 OHM 0.45MM 110T 19"" CB995C" CDT SET, M46QCG903X 02NPAA CDT SET, M46QCG913X 02NPUD-PFC, EUROPE ONLY SIGNAL CABLE, UL 2990-9C DT 1870MM COOL GRAY 3C CG991B DM POWER CORD,YC-2+YC-5,SVT 18*3 YU CHOU UL/CSA 1870MM WALL IVORY CDT EARTH, CB995D TIN WIRE BRAID(128)	

## COMPARISON TABLE OF PFC & NON-PFC MODEL

CIRCUIT P/N	COMPARISION TABLE	NON-PFC	PFC	REMARK
R901		1. R901 (P/N : 180-465H)	NONE	
T904		NONE	1. T904 (P/N : 6140TBZ032A)	
P903, P904		2. P903, P904 (P/N : 366-167A)	NONE	
J95, J101		NONE	2.J95, J101 (P/N : 971-0054)	
TH902		3.TH902 (P/N : 151-414E)	NONE	
EL4, EL6, EL14, EL17		NONE	3.EL-4EA (P/N : 4014TZZ001A)	

## PIN CONFIGURATION

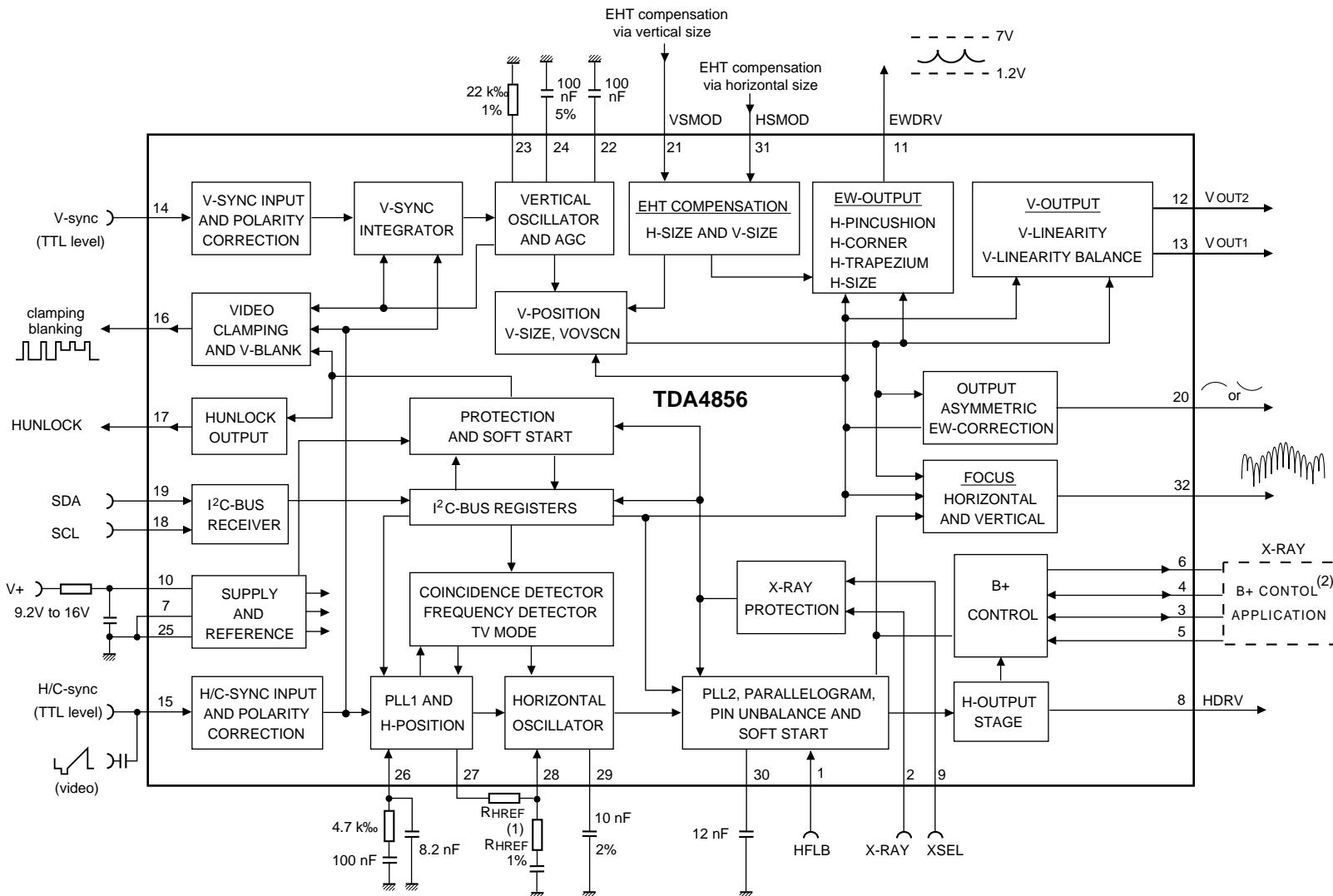
### TDA4856      Autosync Deflection Controller

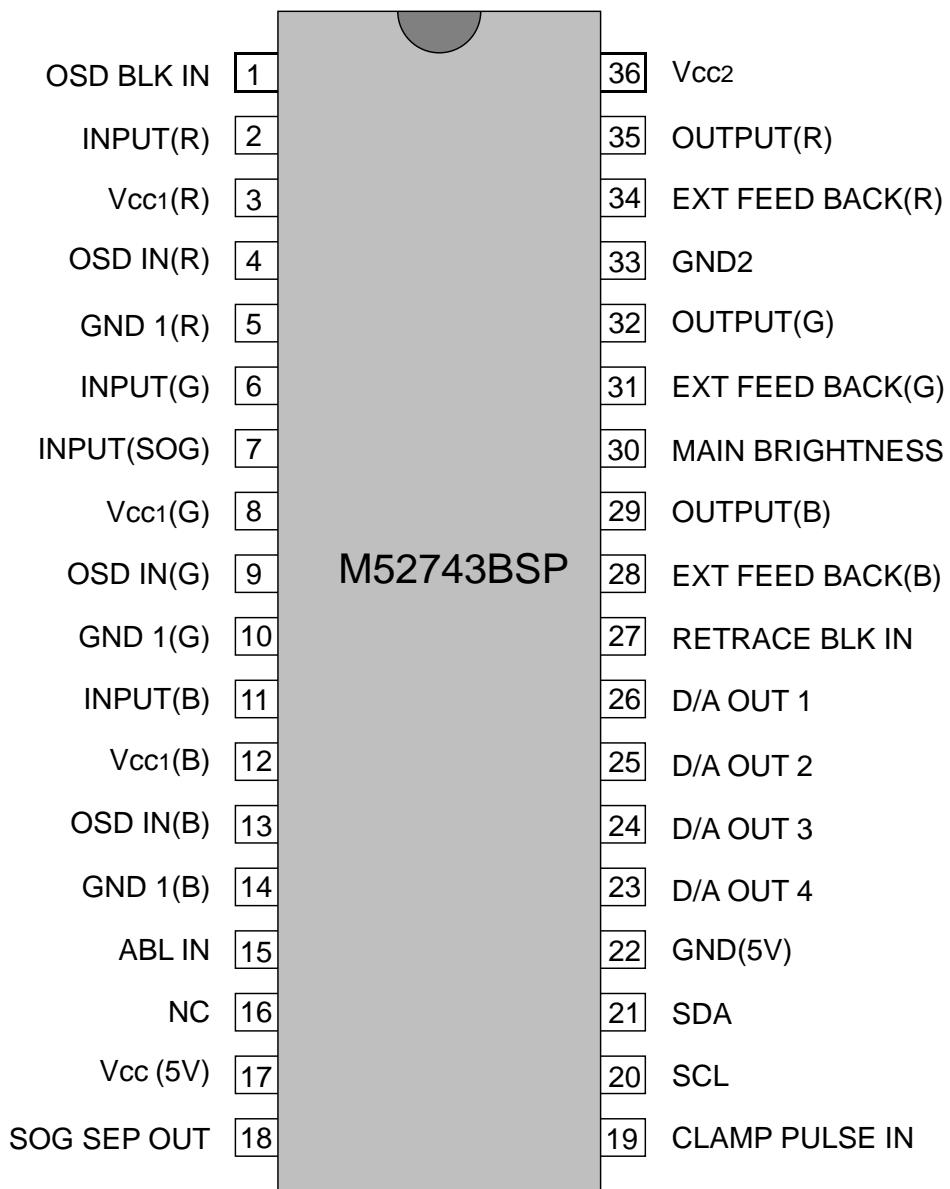


Pin Configuration

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 <sup>2</sup> C-Bus Clock Input
3	BOP	B <sup>+</sup> Control OTA Output	19	SDA	I <sup>2</sup> C-Bus Data Input
4	BSENS	B <sup>+</sup> Control Comparator Input	20	ASCOR	Output for Asymmetric EW Corrections
5	BIN	B <sup>+</sup> Control OTA Input	21	VSMOD	Input for EHT Compensation (Via V-Size)
6	BDRV	B <sup>+</sup> 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

## BLOCK DIAGRAM FOR TDA4856

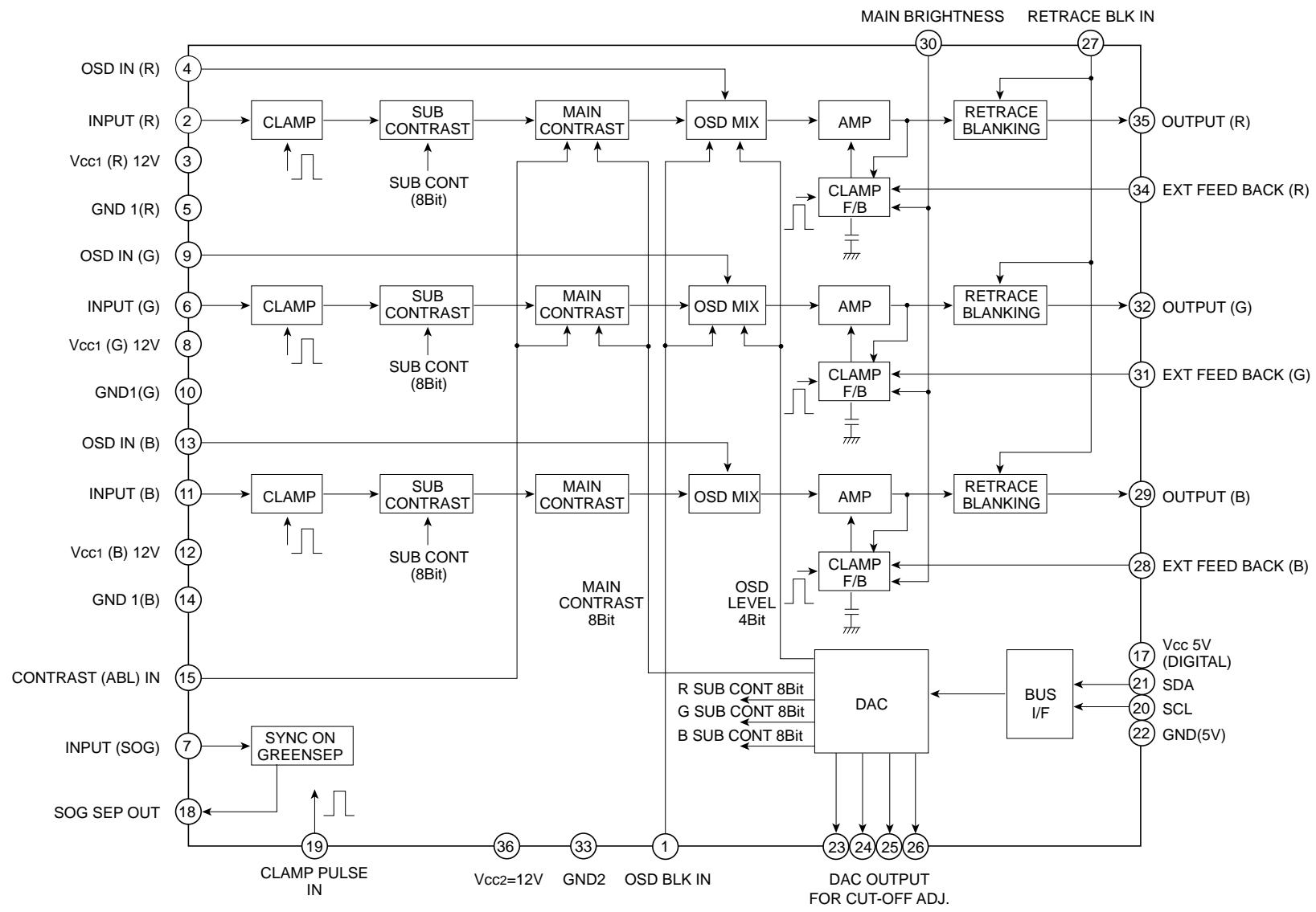


**PIN CONFIGURATION (TOP VIEW)**

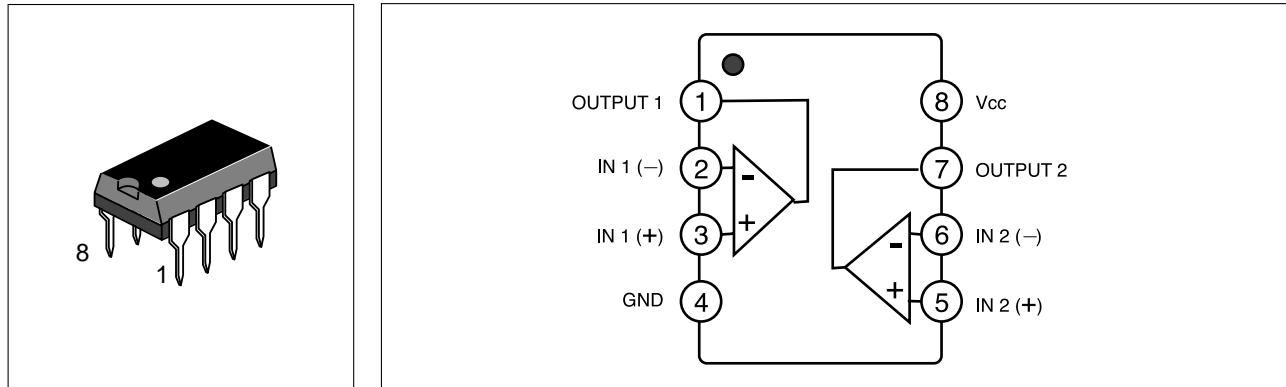
Outline 36P4E

NC : NO CONNECTION

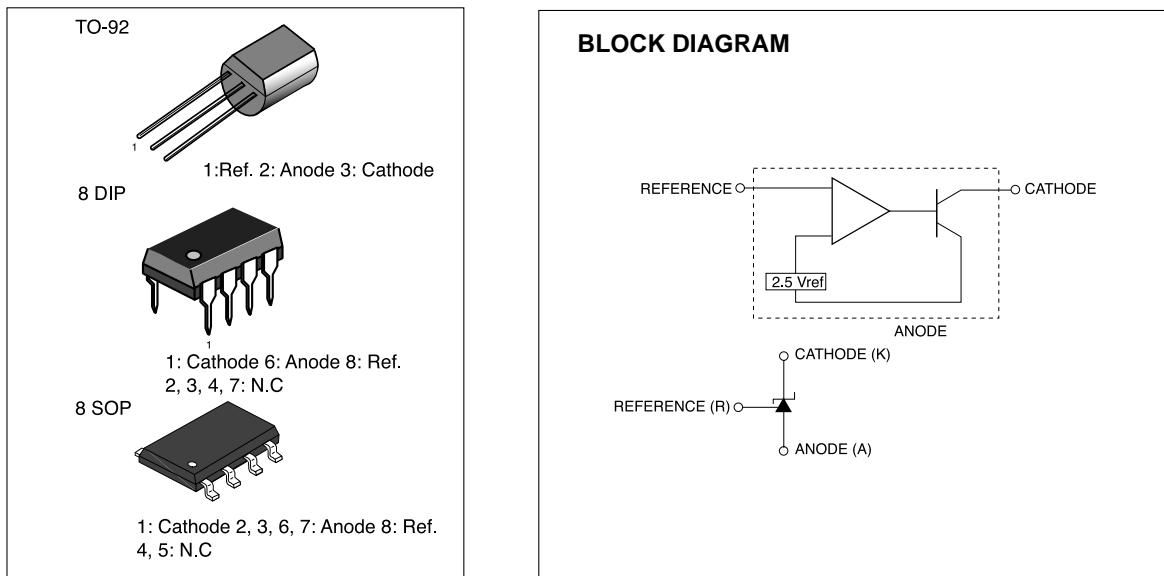
# BLOCK DIAGRAM FOR M52743BSP



## KA358      Dual Operational Amplifier

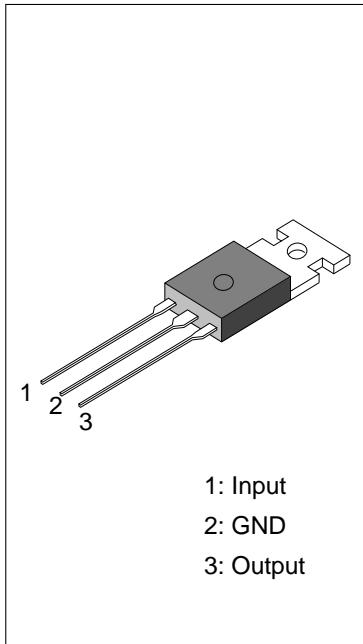


## KA431/A

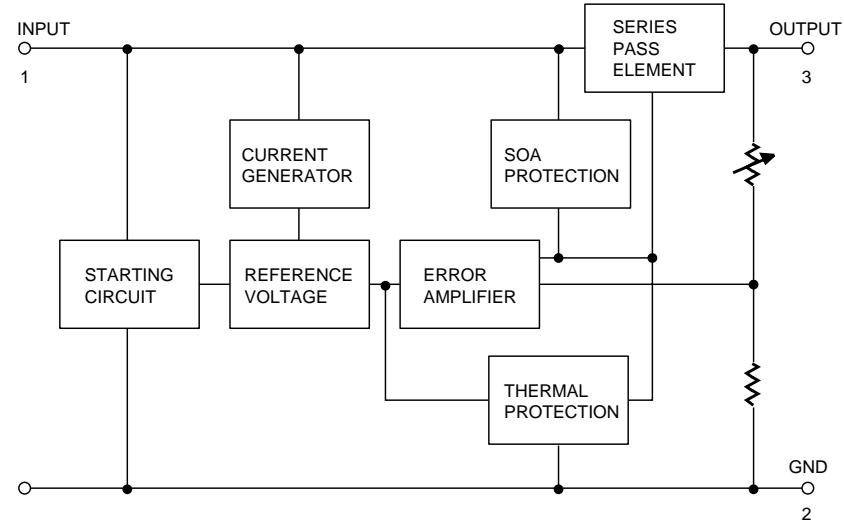


## KA7812

## Positive Voltage Regulator 5V (8V, 12V)

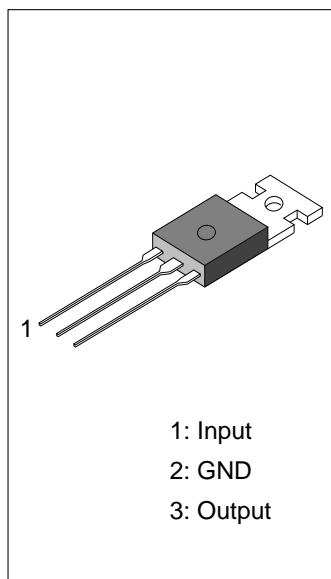


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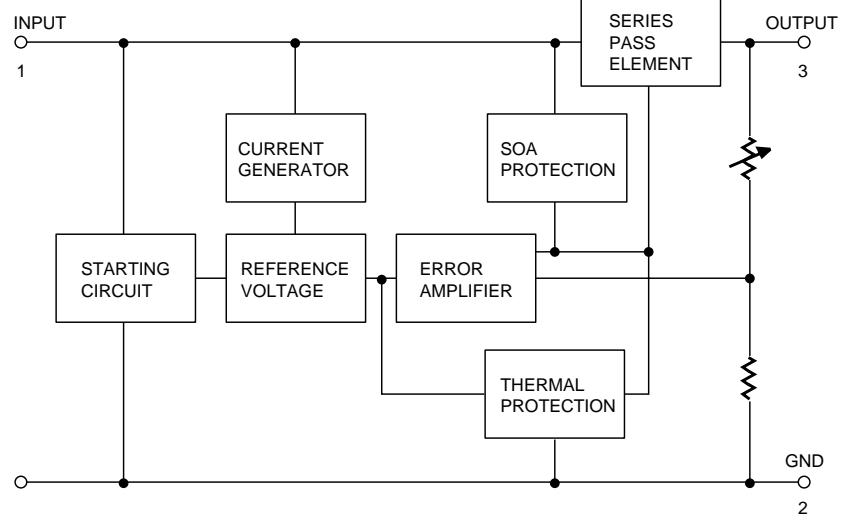


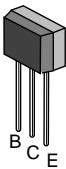
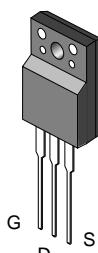
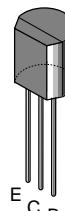
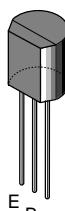
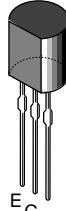
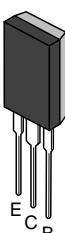
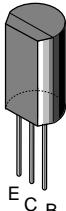
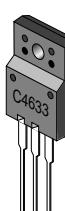
## KA7805

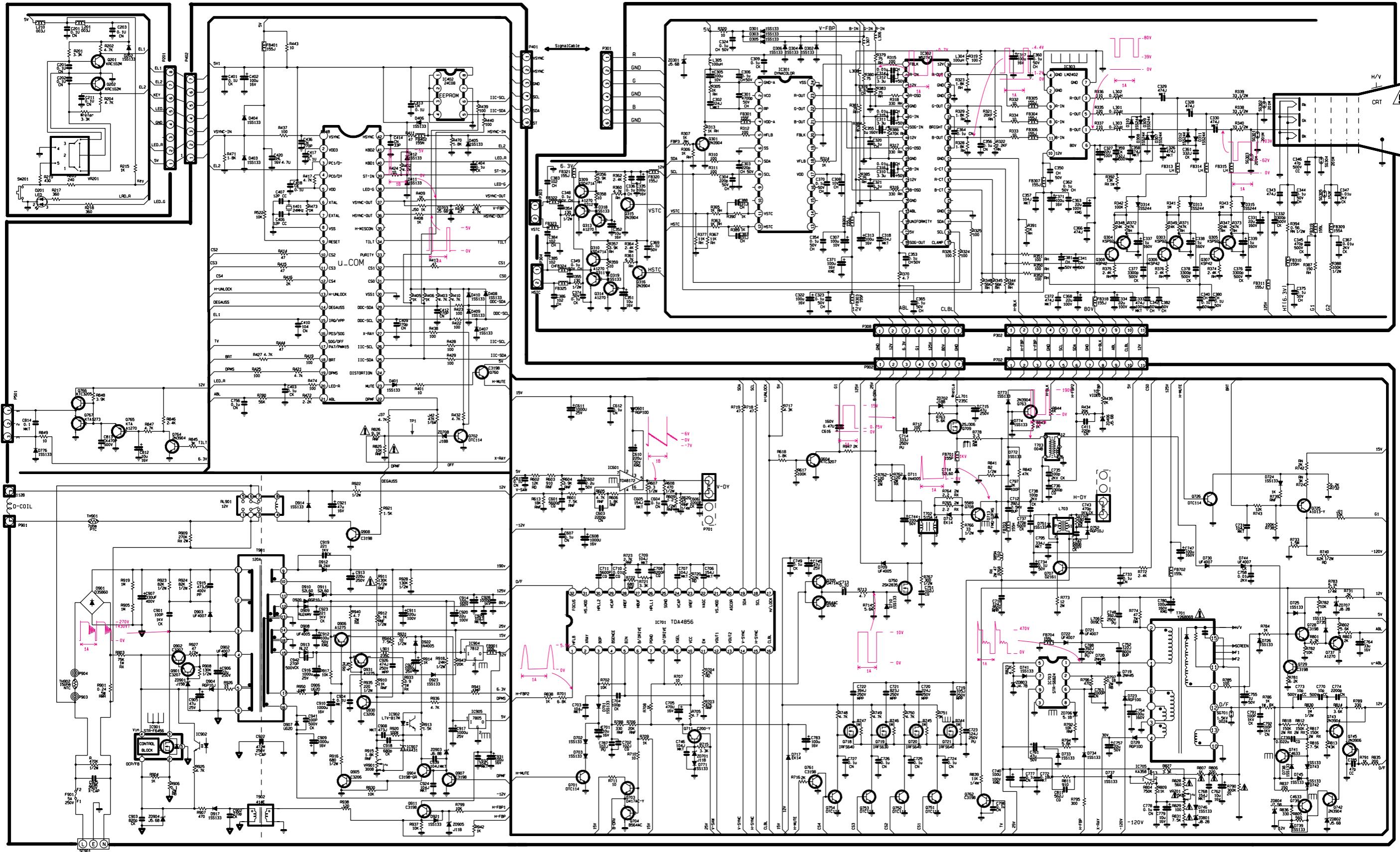
## Fixed Voltage Regulator (positive)



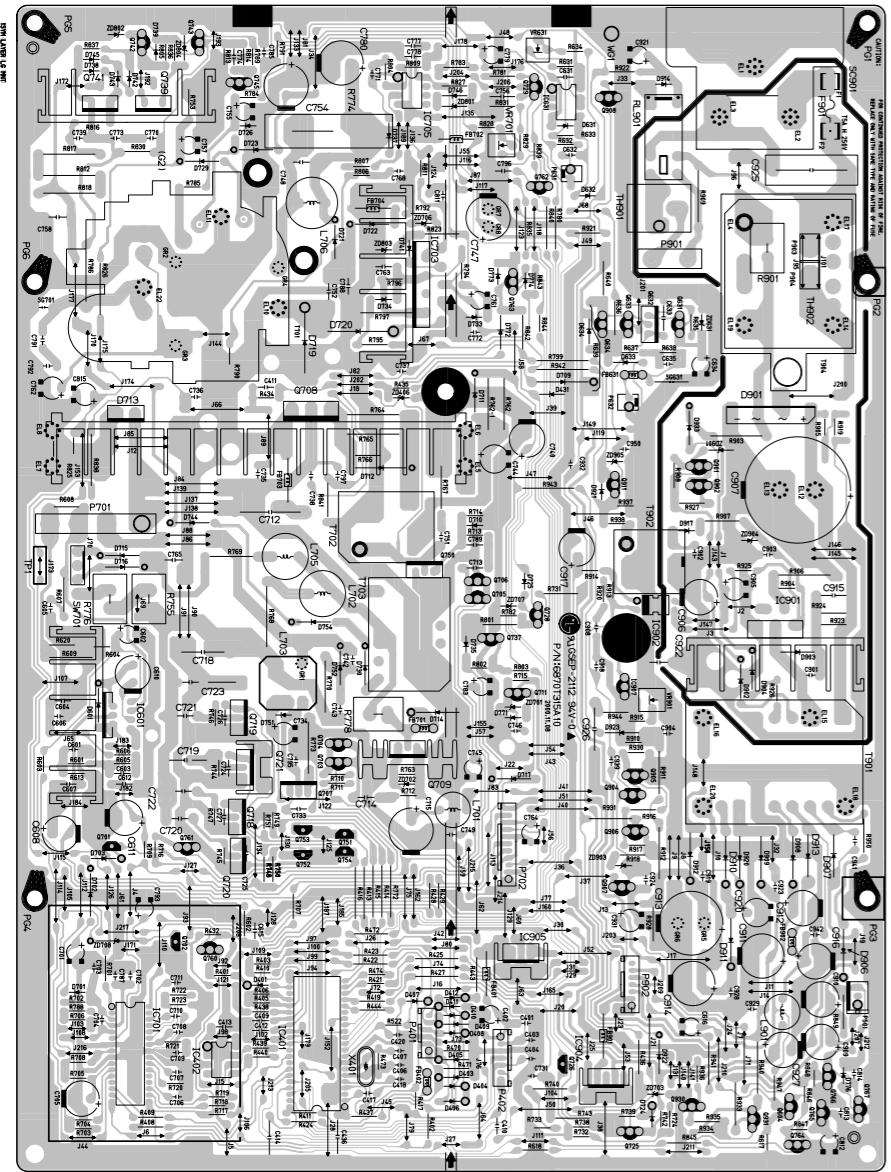
BLOCK DIAGRAM



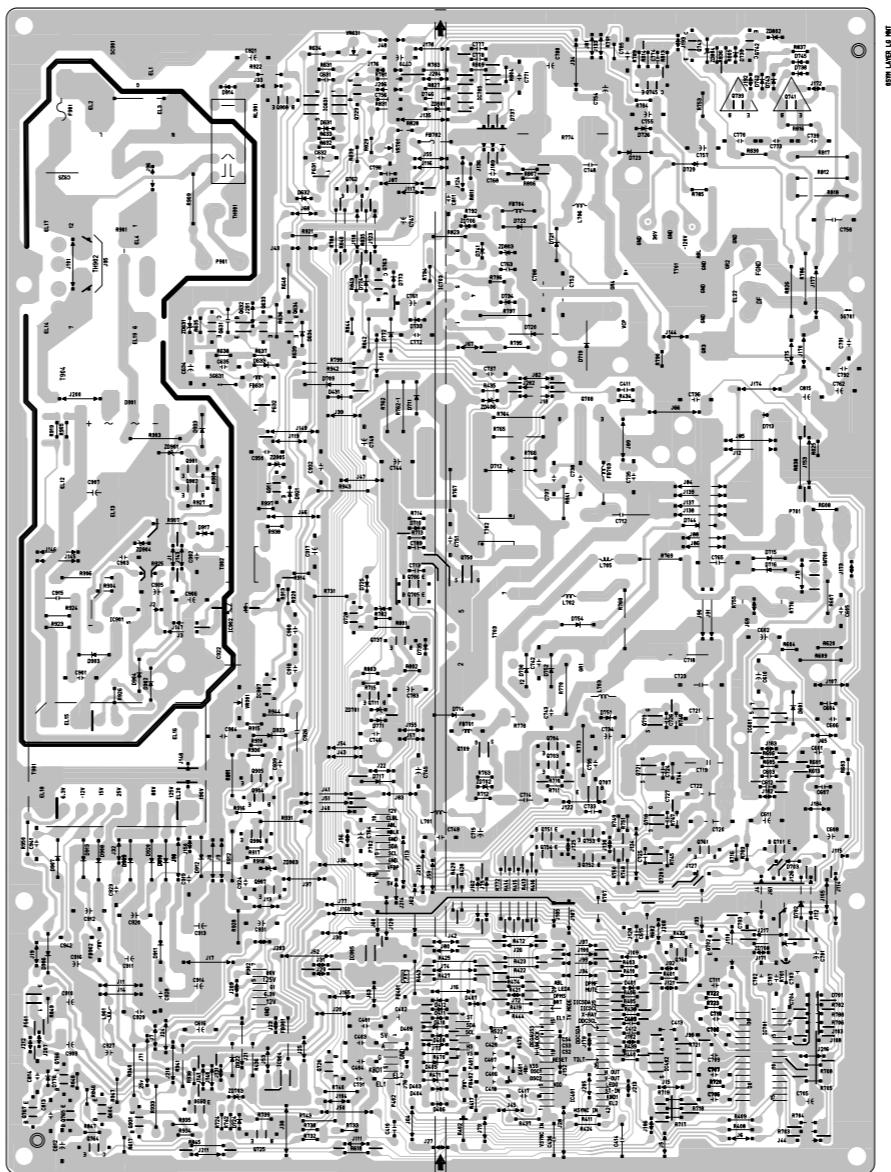
TYPE	PARTS	TYPE	PARTS
	DTC114E		IRFS640A IRFS630A
	KSB564AC		2N3904
	KTA1270 KTC3198 KTC3202 KTC200-Y		KTA1275 KTC3206 KTC3207
	KSA1013		2SC4633



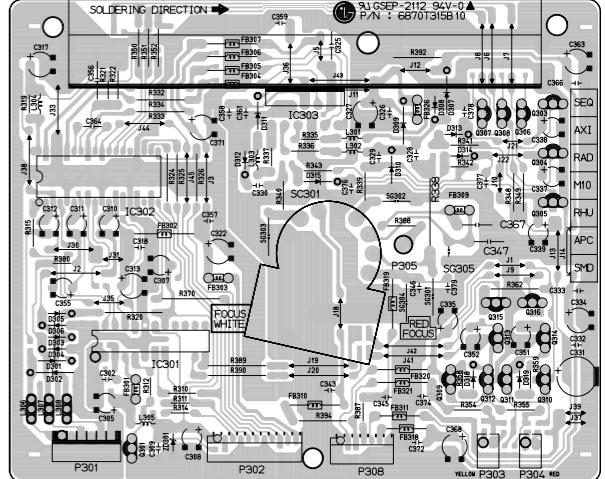
**1. MAIN BOARD (Component Side)**



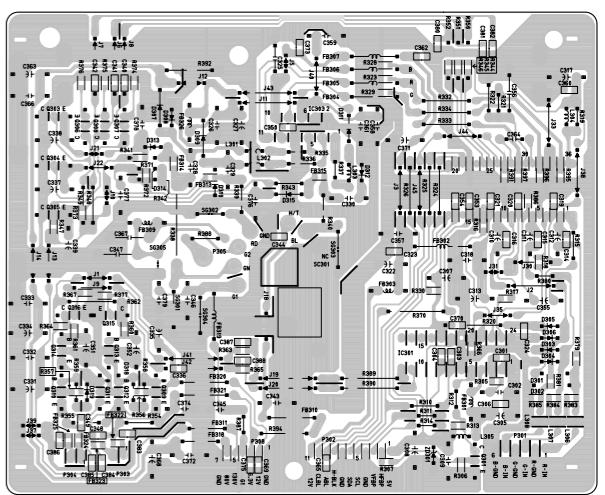
**2. MAIN BOARD (Solder Side)**



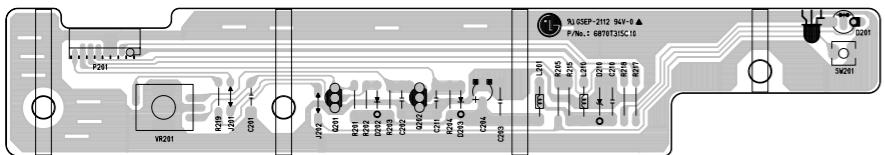
**3. VIDEO BOARD (Component Side)**



**4. VIDEO BOARD (Solder Side)**



**5. CONTROL BOARD (Component Side)**



**6. CONTROL BOARD (Solder Side)**

