



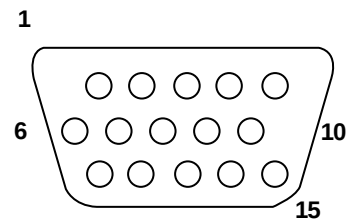
Service Manual

XGA COLOR MONITOR

Model : 715B

PIN CONNECTOR

Pin	Signal
1	Red
2	Green
3	Blue
4	GND
5	GND
6	GND - Red
7	GND - Green
8	GND - Blue
9	+5Vdc
10	GND - H.Sync
11	GND - V.Sync
12	Bi-directional Data (SDA)
13	Horizontal Sync
14	Vertical Sync (VCLK)
15	Data Clock (SCL)



Arrangement of 15-pin D-sub connector

CAUTIONS FOR ADJUSTMENT AND REPAIR

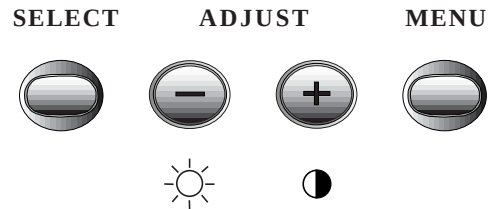
- Degaussing is always required when adjusting purity or convergence.
- The white balance adjustment has been done by a color analyzer in factory. The adjustment procedure, described in the service manual is made by a visual check.
- Allow 20 minutes warm-up time for the display before checking or adjusting only electrical specification or function.
- Reform the leadwire after any repair work.

◆ Caution For Servicing

- In case of servicing or replacing CRT, high voltage sometimes remains in the anode of the CRT. Completely discharge high voltage before servicing or replacing CRT to prevent a shock to the serviceman.

OPERATION AND ADJUSTMENT

Control Panel



MENU



- Launch OSD(On-Screen Display) MENU window.

SELECT



- Select a sub Menu & function.



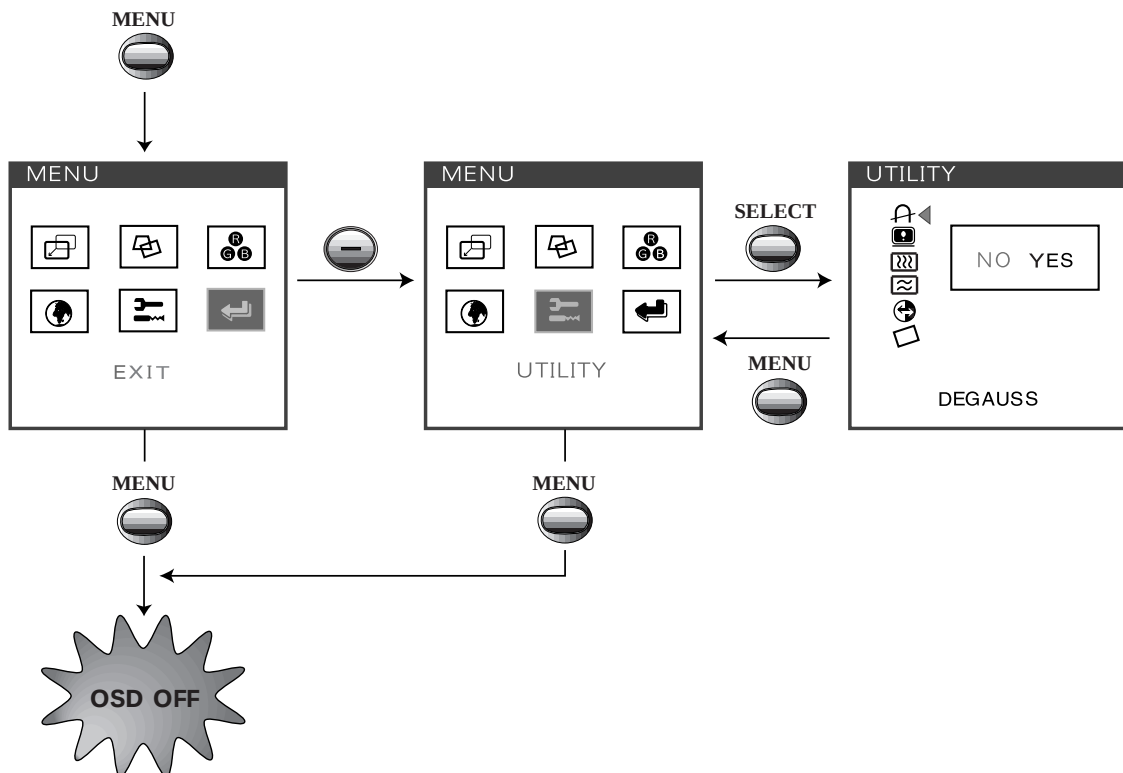
- Move a sub Menu & function.
- Increase the value of any selected function.
- Adjust the contrast directly when there is no OSD.



- Move a sub Menu & function.
- Decrease the value of any selected function.
- Adjust the brightness directly when there is no OSD.



Key Process



- When you choose the icon  on the OSD window, you can exit the OSD screen.

OSD Functions

ICON	CONTROL	FUNCTIONS
	H. POSITION	Adjust the position of the display horizontally (left or right).
	V. POSITION	Adjust the position of the display vertically (up or down).
	H.SIZE	Adjust the display width (horizontal size).
	V.SIZE	Adjust the display height (vertical size).
	V. LINEARITY	Adjust the vertical linearity.
	H. LINEARITY	Adjust the horizontal linearity.
	PINCUSHION	Adjust the left and right margins for more convex or more concave margins.
	TRAPEZOID	Adjust the trapezoid of the screen by moving the lines inward or outward.
	PIN BALANCE	Adjust the side balance when the sides of the screen are bowed towards left or right.
	PARALLELOGRAM	Adjust the parallelogram when the screen is leaning left or right.
	T. PIN CORNER	Adjust the pin corner top when the top sides of the screen are bowed.
	B. PIN CORNER	Adjust the pin corner bottom when the bottom sides of the screen are bowed.
	T. PIN BALANCE	Adjust the side pin corner balance top when the top sides of the screen are bowed towards left or right.
	B. PIN BALANCE	Adjust the side pin corner balance bottom when the bottom sides of the screen are bowed towards left or right.



ICON	CONTROL	FUNCTIONS
	COLOR TEMP	Choose different preset color temperatures or set your own customized color parameters.
	RED GAIN	Adjust the red gain.
	GREEN GAIN	Adjust the green gain.
	BLUE GAIN	Adjust the blue gain.
	RED BIAS	Adjust the red bias.
	GREEN BIAS	Adjust the green bias.
	BLUE BIAS	Adjust the blue bias.
	LANGUAGE	Select language for OSD (5 languages).
	DEGAUSS	Degaussing keeps the monitor free from unwanted magnetism that can result in color impurity.
	STATUS	Display horizontal & vertical frequency and polarity.
	H. MOIRE	Adjust the horizontal picture moire cancellation.
	V. MOIRE	Adjust the vertical picture moire cancellation.
	RECALL	Reset the screen to the Factory Preset Display Settings.
	ROTATION	Adjust the rotation when the screen is tilted left or right (Optional).

ALIGNMENT PROCEDURE

◆ Standard Adjustment Conditions

1. Power source voltage : AC 120V, 60Hz/AC 220V, 50Hz.
2. Aging : Take at least 20 minutes warm-up time.
3. Signals.
 - Video : Analog 0.7Vpp 75Ω terminal positive polarity
 - Synchronizing : TTL Level Negative/Positive Separate/Composite
 - Deflection frequency
 - Horizontal Frequency : 30KHz - 70KHz
 - Vertical Frequency : 50Hz - 160Hz

◆ Pre-Adjustment

1. High Voltage Adjustment
 - Adjust 25.8K Vdc between Anode cap and ground at a cross hatch pattern of 60KHz by using VR 601.
2. H.Size Adjustment
 - (a) Receive a cross hatch pattern of 60KHz
 - (b) Set the H-Size control to the maximum on OSD menu.

◆ Method to launch the factory mode

- Step 1. Push the menu button.
- Step 2. Push the menu button and plus control button (+) for 5 times in same time.

◆ Main Adjustment

1. Setting the Controls
 - Set the value of items as following.
 - Contrast : Max. (OSD value up to 100)
 - Brightness : Center (Set the OSD value to 50)
2. H.size, V.size, H.phase, V.position, Pincushion, Trapezoid
 - Receive the cross hatch pattern of Factory preset mode.
 - H.size, V.size, H.phase, V.position, Pincushion, Trapezoid are adjusted at each mode.
 - In Factory, Auto Alignment was done at each mode. Therefore, Factory preset mode has it's own value according to each control.
3. Focus
 - (a) Set brightness control to center and contrast control to MAX.
 - (b) Receive all "H" character pattern of 60KHz mode signal.
 - (c) Adjust the Focus control of FBT to obtain best Focus (static focus and Dynamic focus).
4. Geometric Distortion Adjustment
 - (a) Receive the cross hatch pattern of VGA mode signal by using the signal generator.
 - (b) Pin balance, Parallelogram are adjusted the best geometric status.
 - (c) Repeat the adjustment at each mode.
5. White Balance Adjustment
 - (a) Receive a full white pattern of 60KHz mode.
 - (b) Set the bright control and contrast control to the maximum and receive the all black pattern.
 - (c) Adjust the G1 control in Factory mode to 0.8 Ft/L.
 - (d) Select the R, G, B Bias on the OSD menu and adjust the +/- key to get the color coordinates in X=0.281, Y=0.311.
 - (e) If the screen luminosity is changed, repeat (c) & (d) to get the 0.8 Ft/L screen luminosity.
 - (f) Set the brightness control to the center and contrast control to the maximum.
 - (g) Receive a full white pattern.

(h) Select the R, G, B gain on the OSD menu and adjust the +/- key to get the color coordinates in $X=0.281\pm0.02$, $Y=0.311\pm0.02$.

(i) Adjust the sub contrast (ABL) control to get the screen luminosity to 30.0 Ft/L.

6. Static Convergence Adjustment

(a) Apply a magenta cross hatch pattern on display.

(b) Adjust the focus from the best over all focus on the display.

Also adjust the brightness to the desired condition.

(c) Vertical red and blue lines are converged by varying the angles between the two tabs of the 4-pole magnets.

(d) Horizontal red and blue lines are converged by varying the tabs together keeping the angle between them constant.

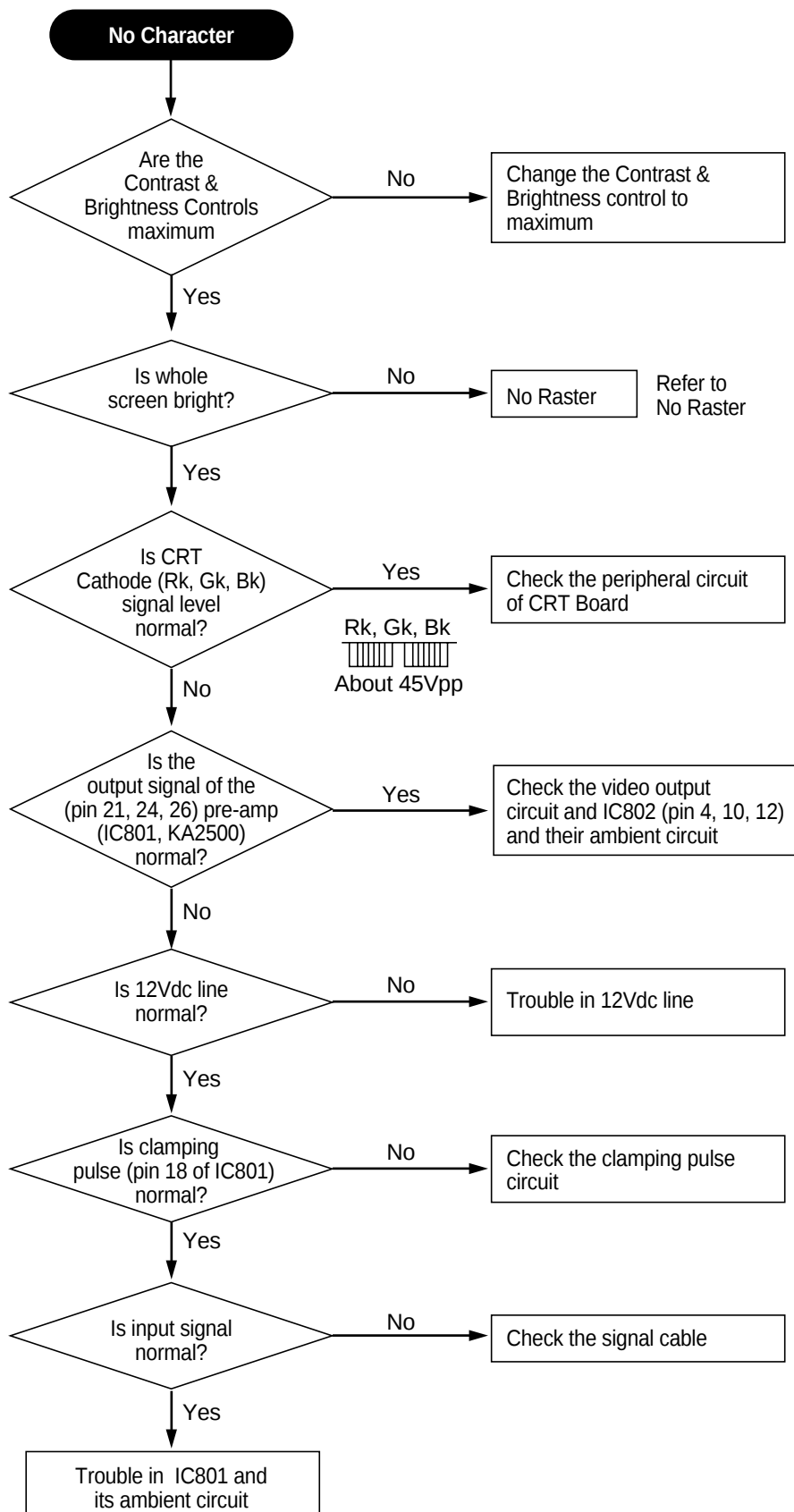
(e) Apply a yellow cross hatch pattern on the display.

(f) Vertical green and red lines are converged by varying the angle between the two tabs of the 6-pole magnets.

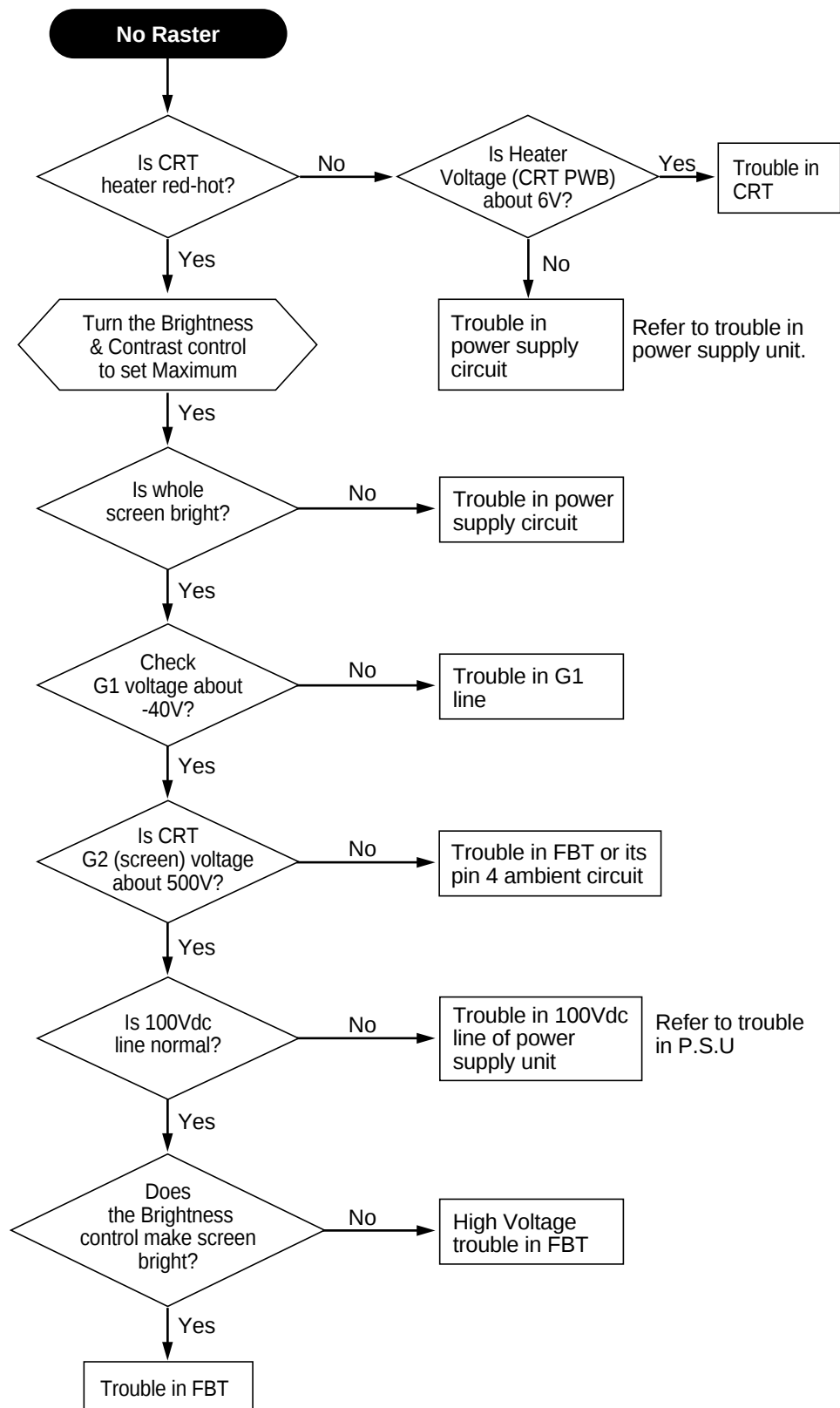
(g) Horizontal green and red lines are converged by varying the tabs together and keeping the angle between them constant.

TROUBLESHOOTING HINTS

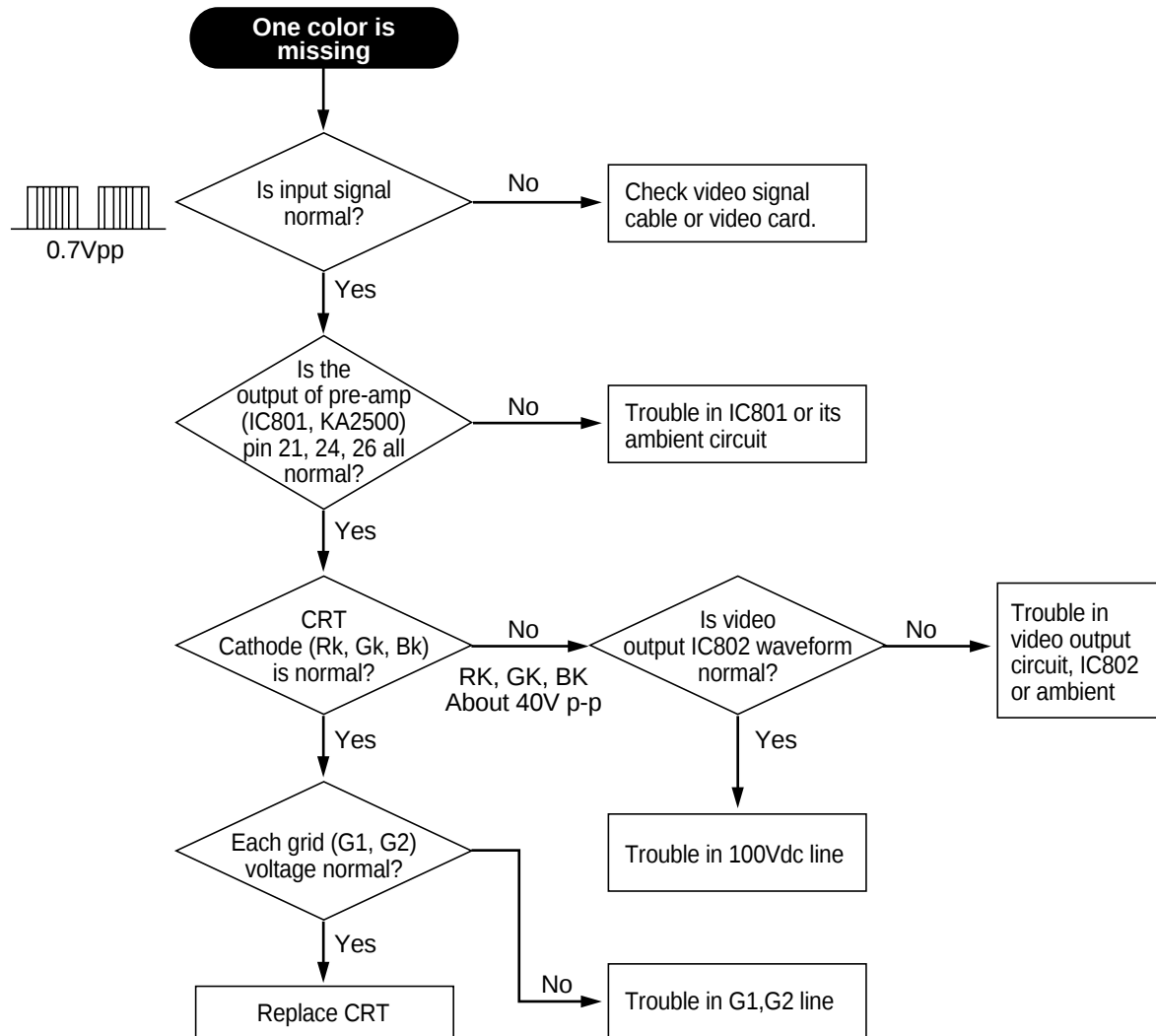
1. No Character



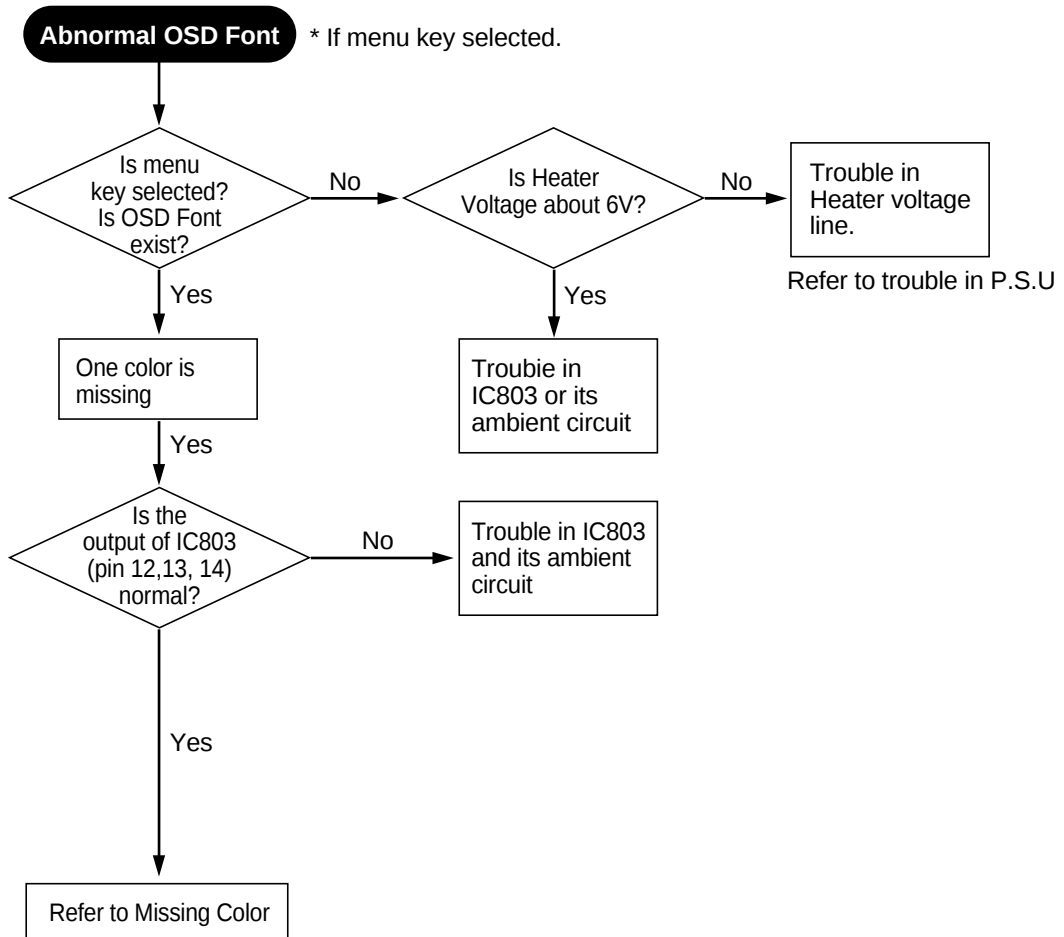
2. No Raster



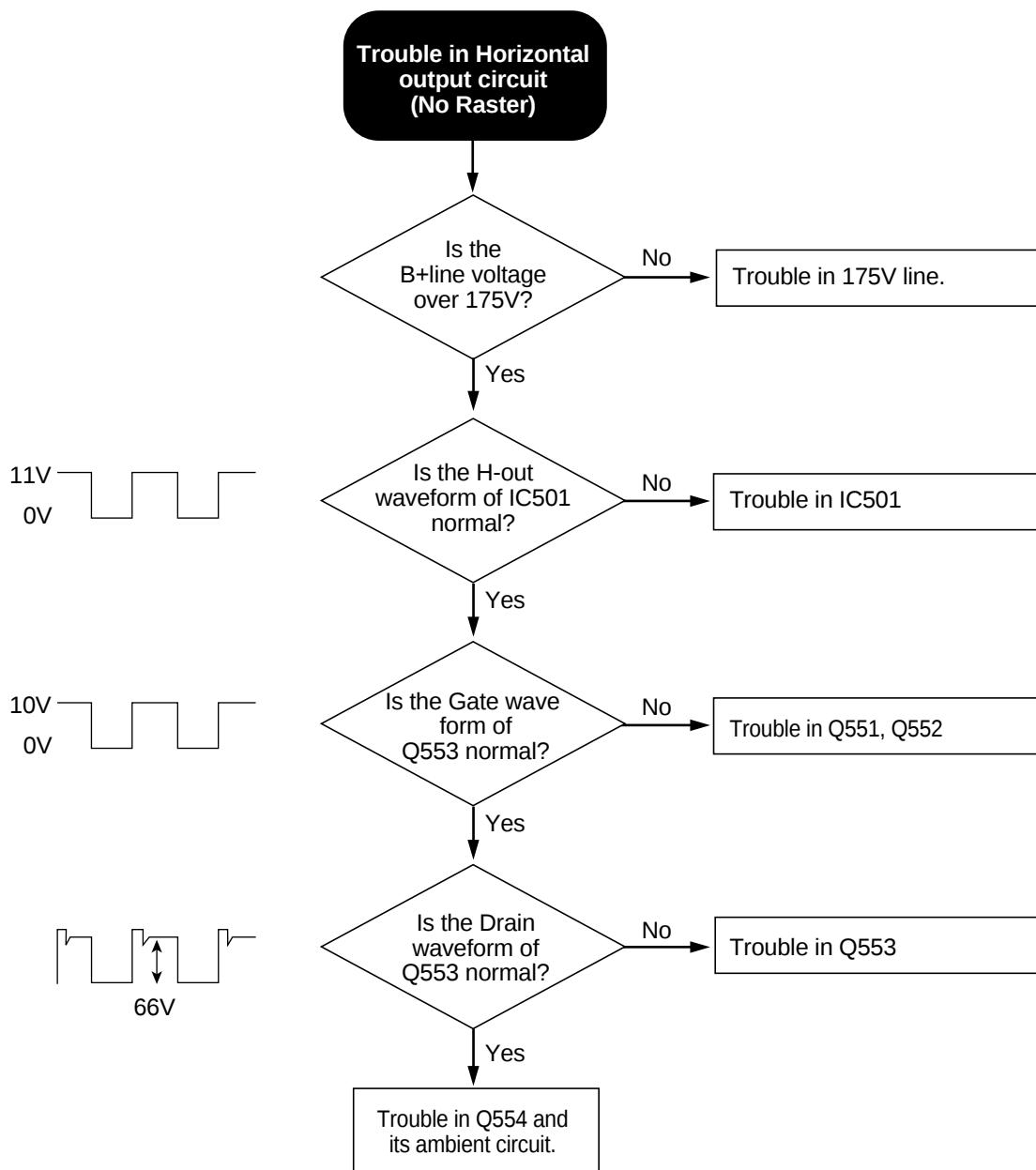
3. A Missing Color



4. Abnormal OSD Font

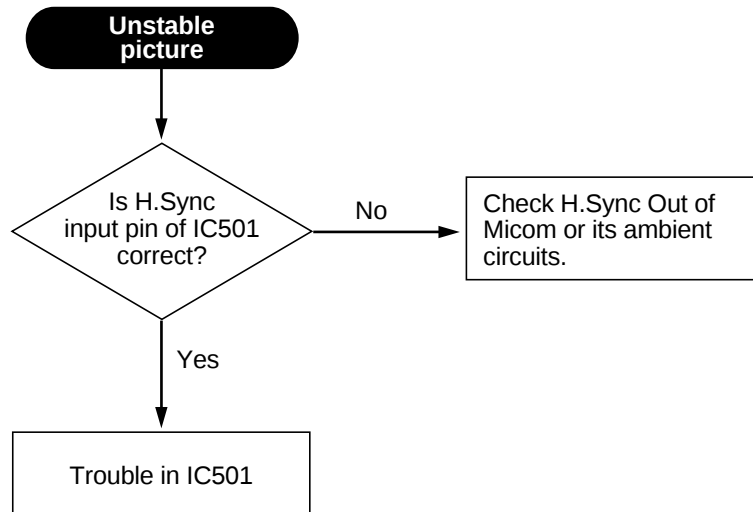


5. Horizontal Output Circuit

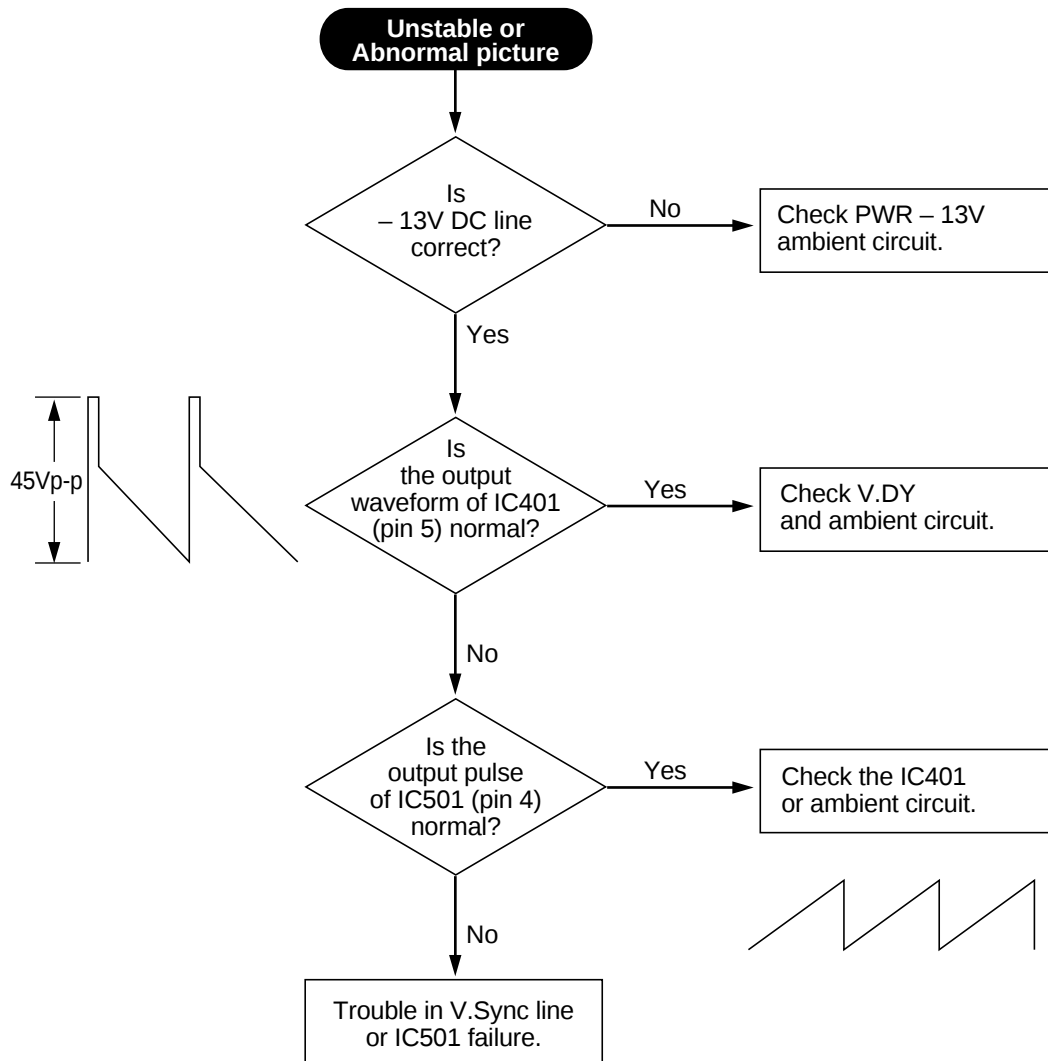


6. Unstable Picture

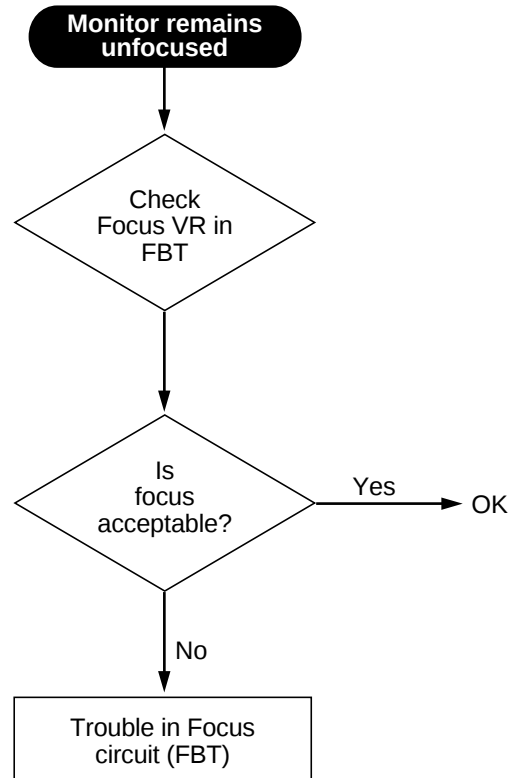
6-1. Horizontal



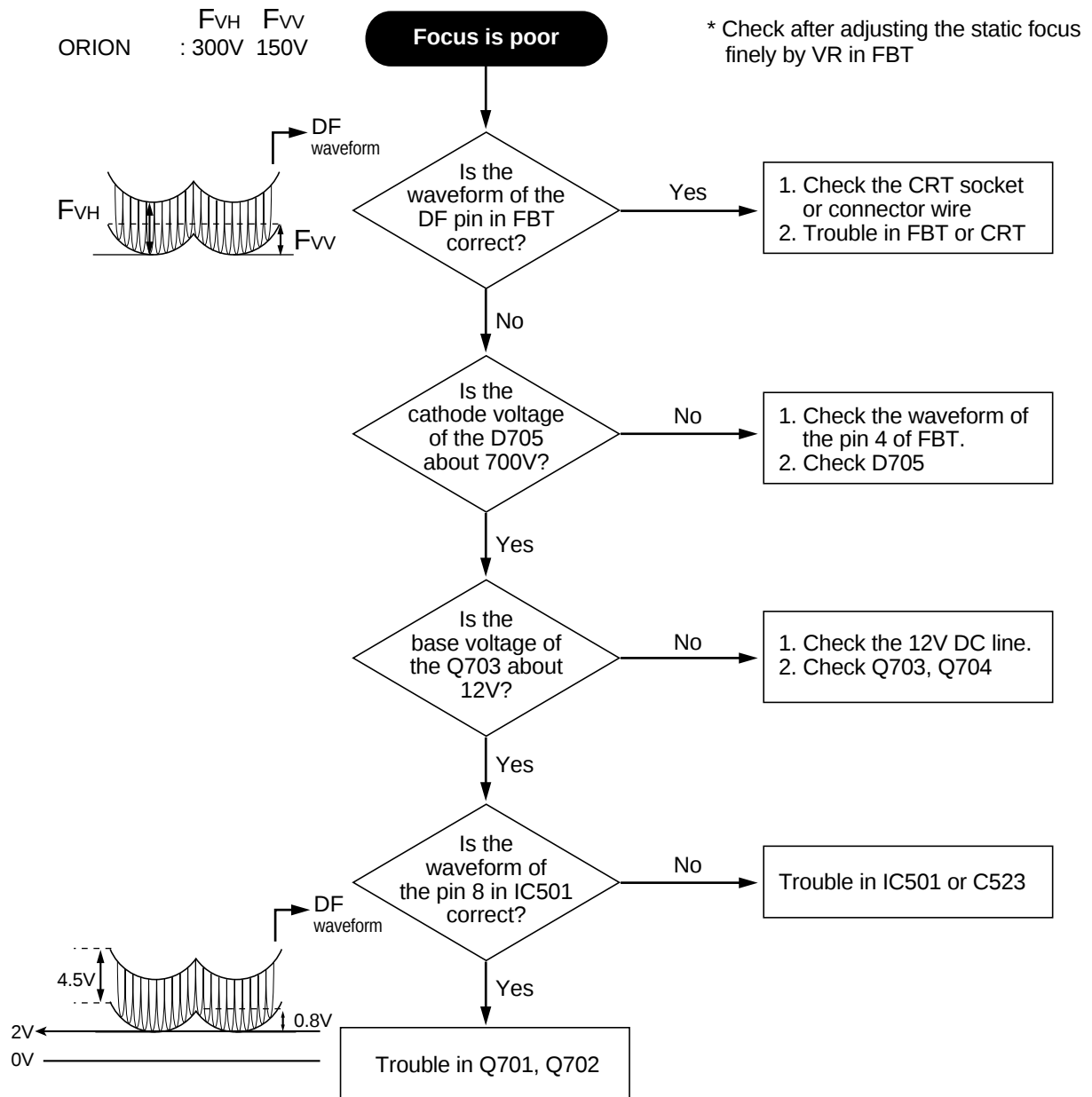
6-2. Vertical



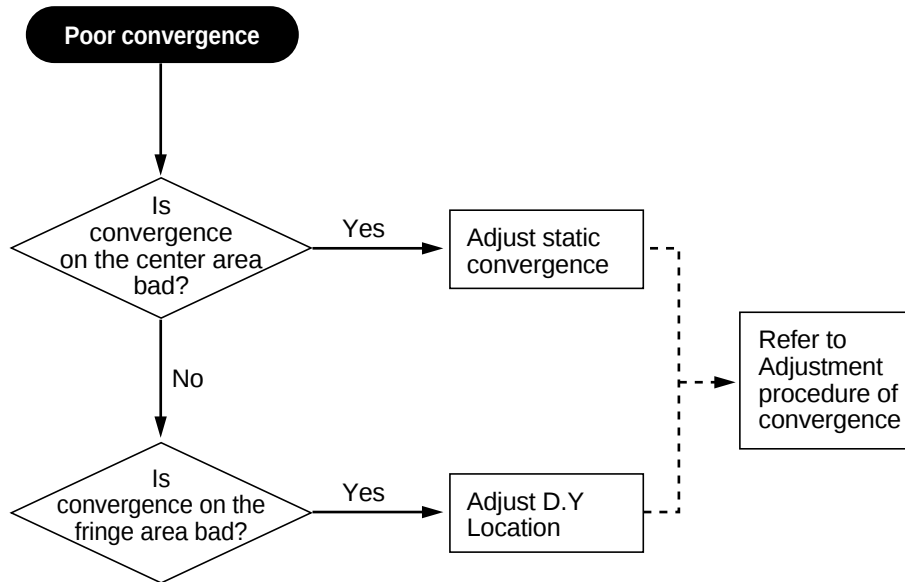
7. Focus



7-1. Dynamic Focus

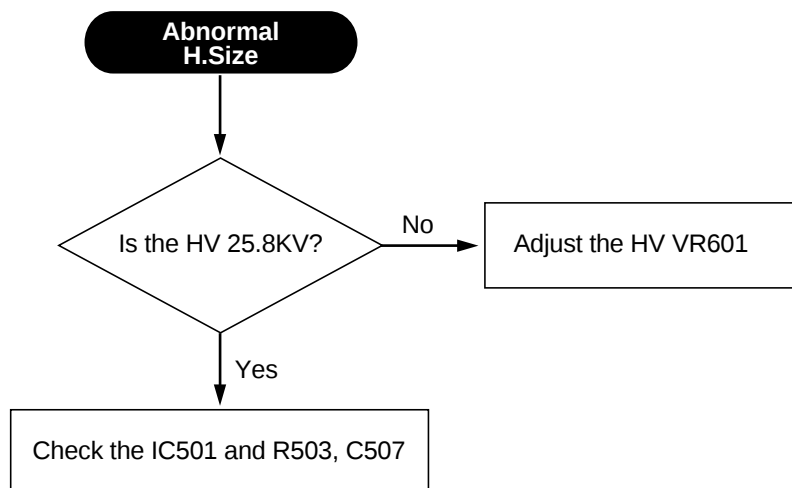


8. Convergence

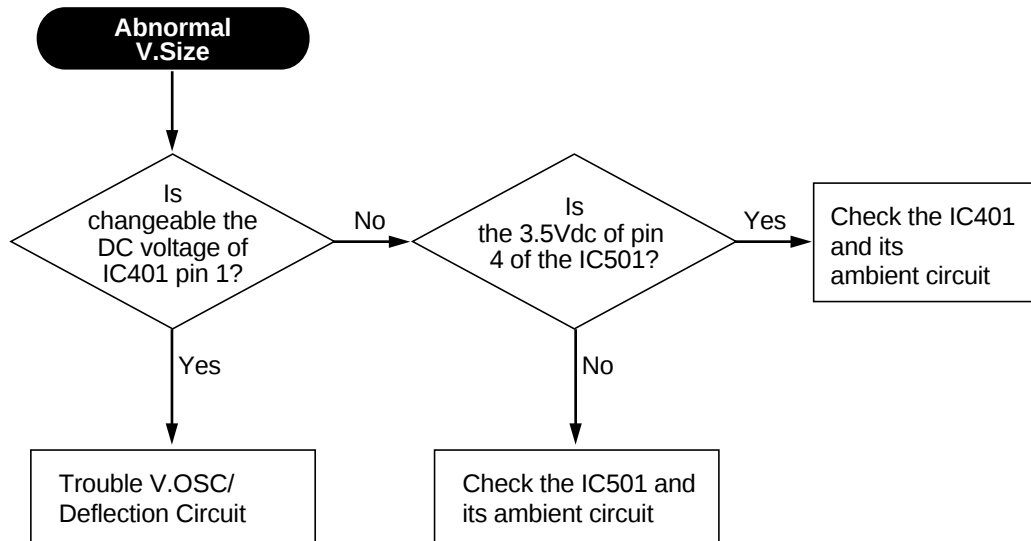


9. Abnormal Picture

9-1. Horizontal Size

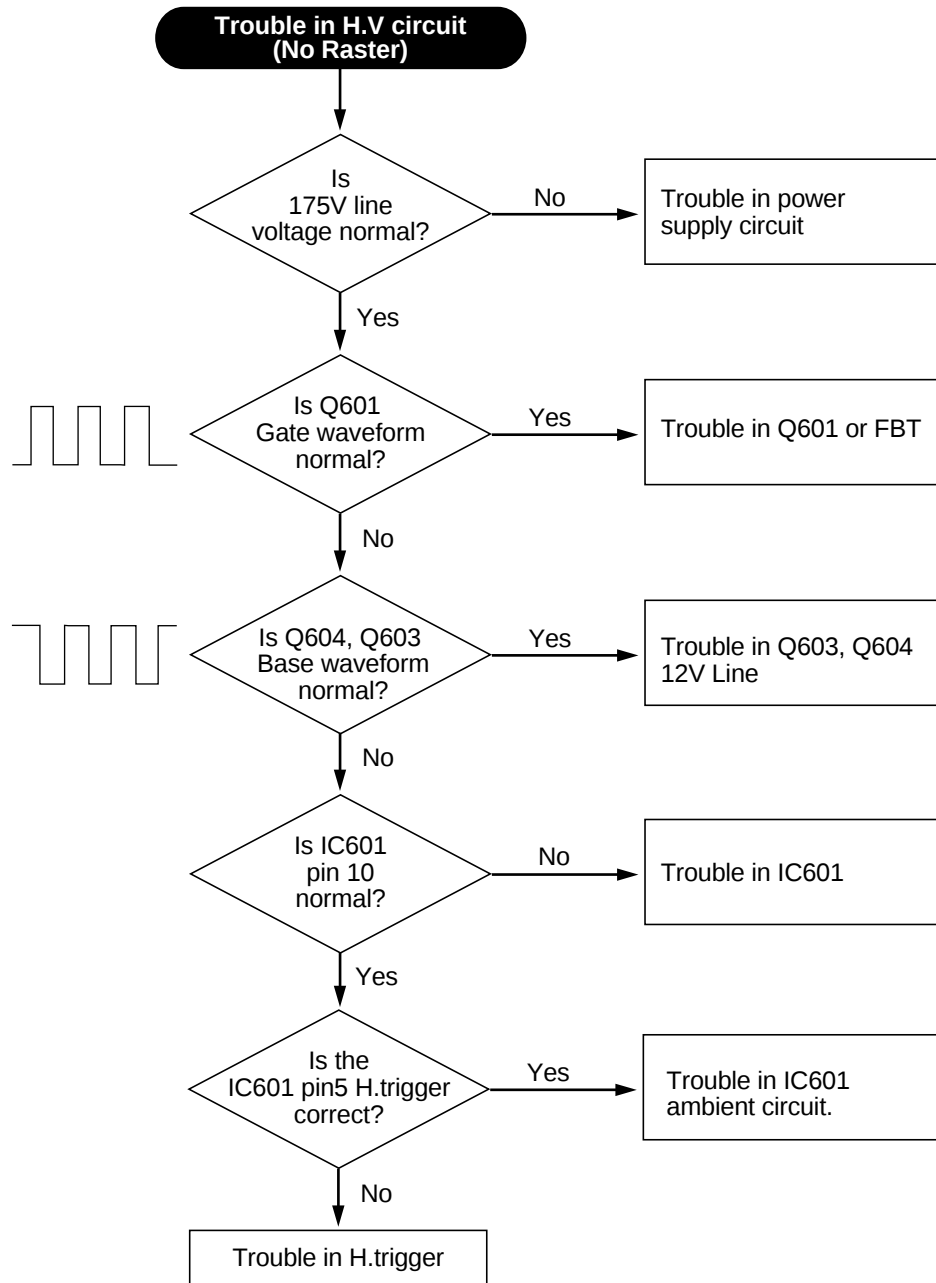


9-2. Vertical Size

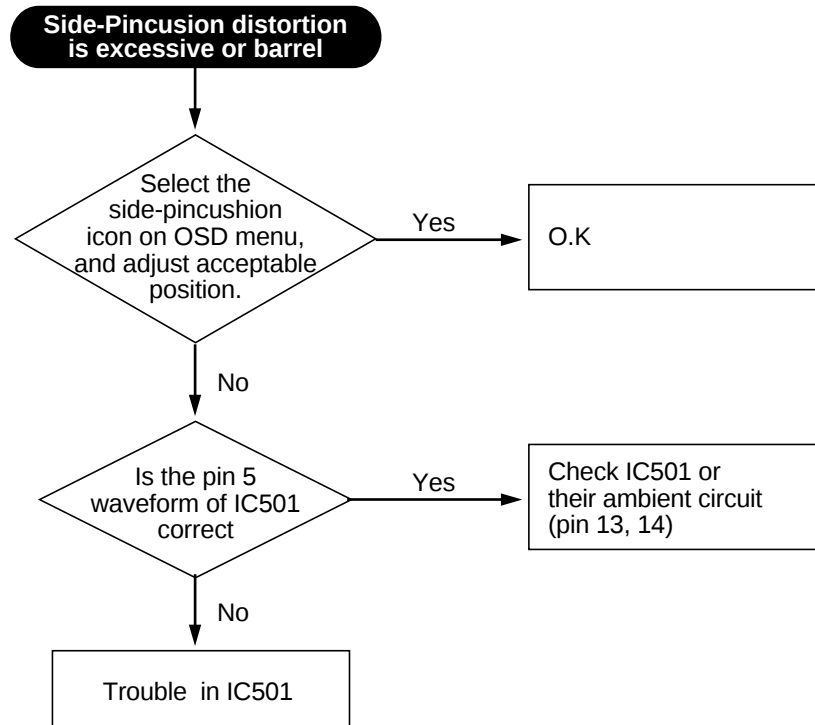


Refer to V.OSC/Deflection circuit

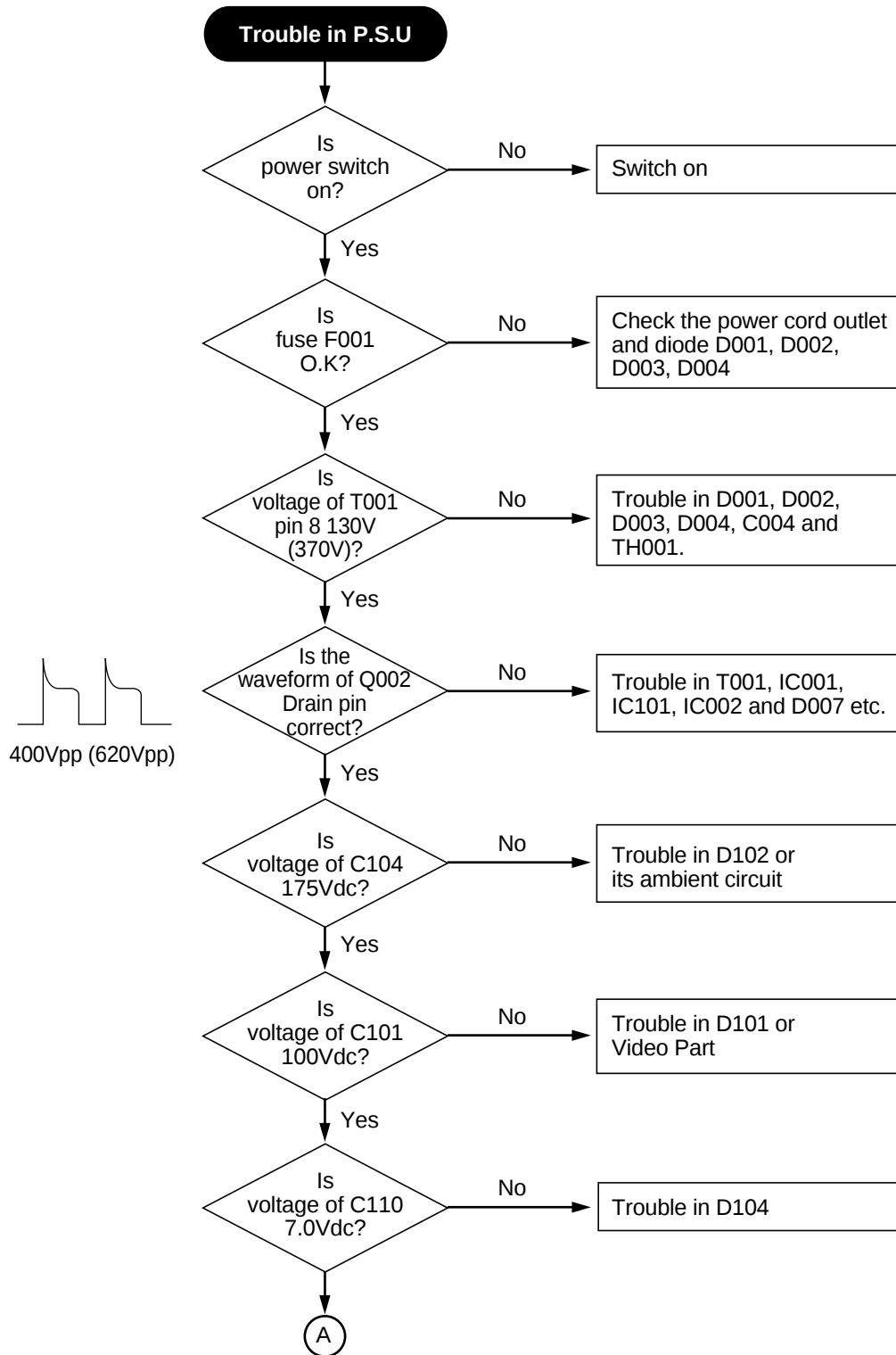
10. High Voltage Output Circuit

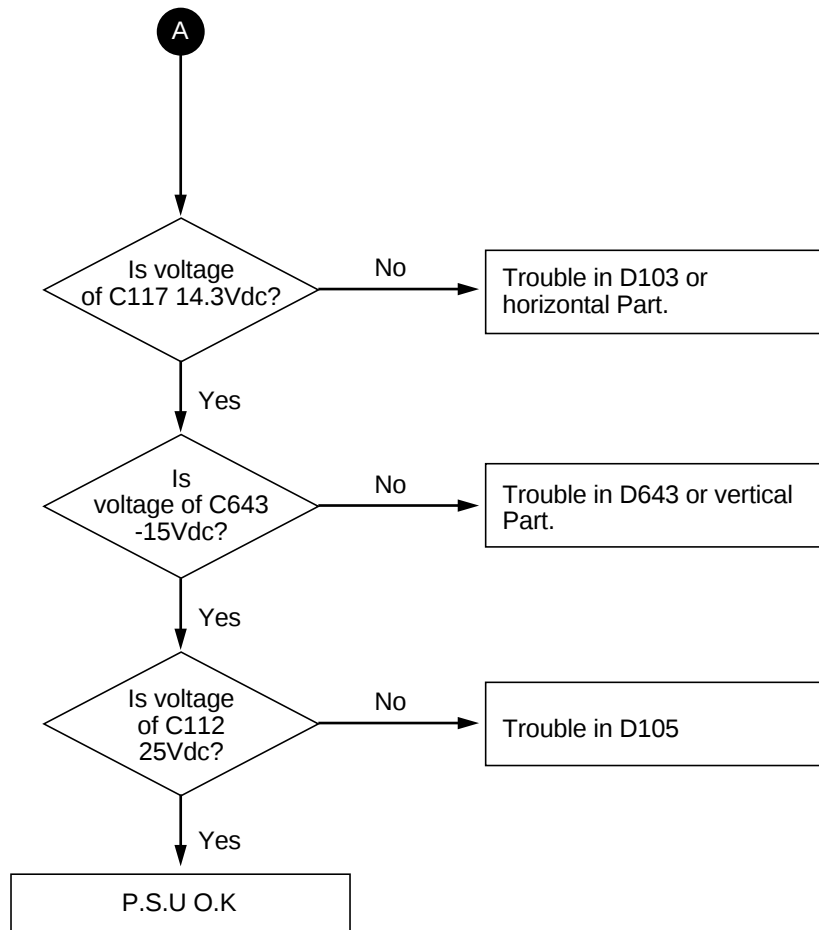


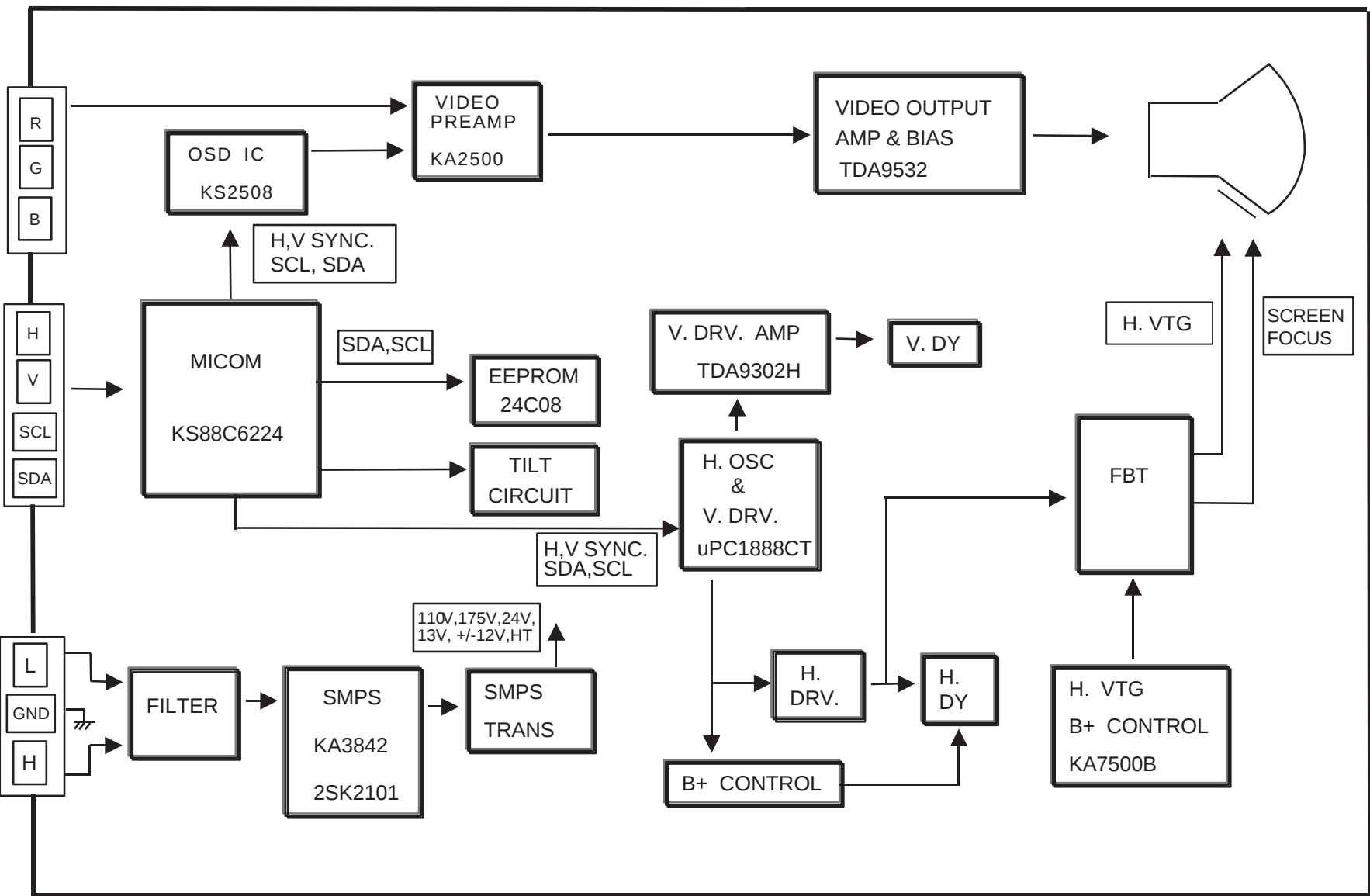
11. Side-Pincushion Circuit

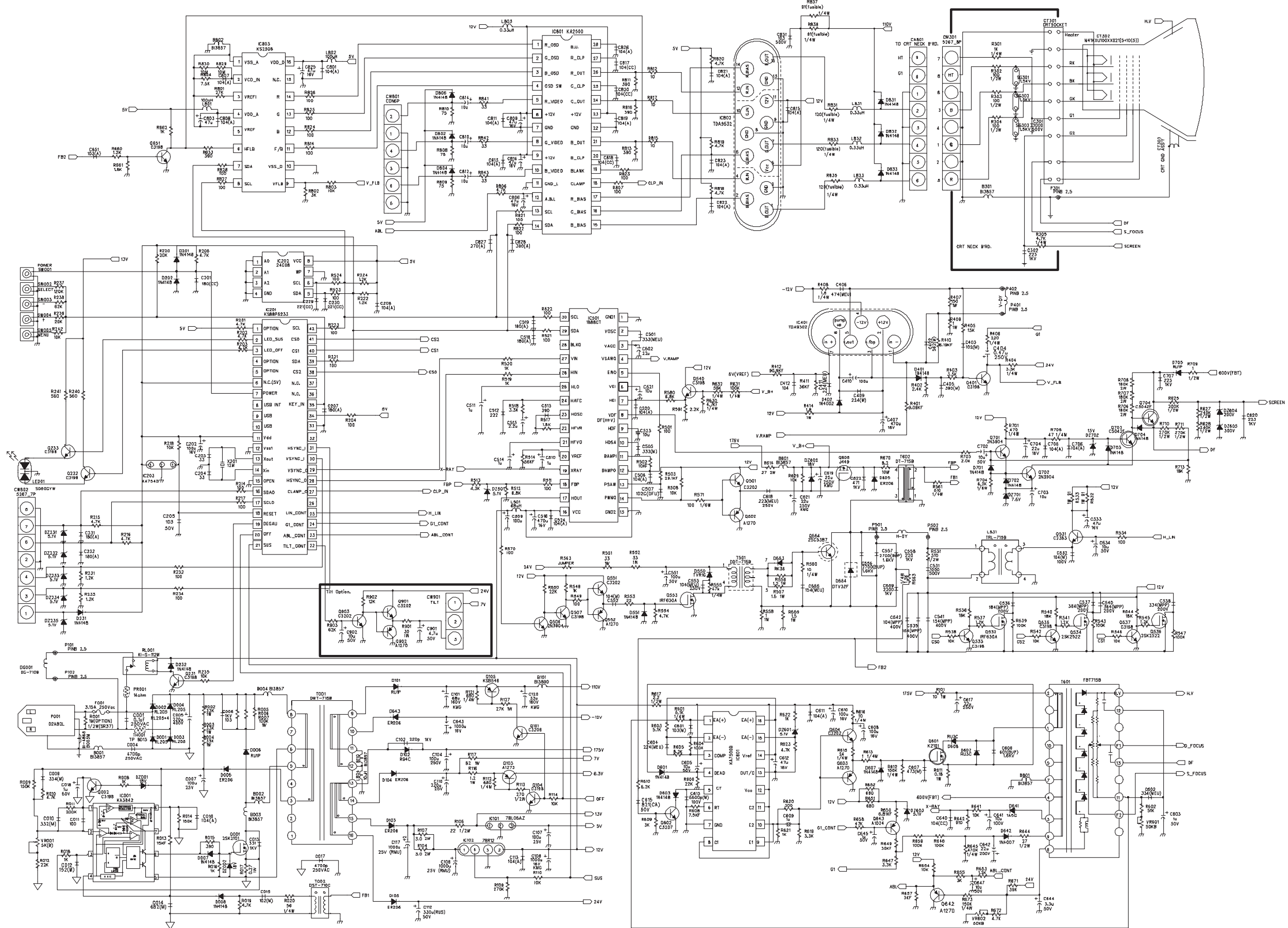


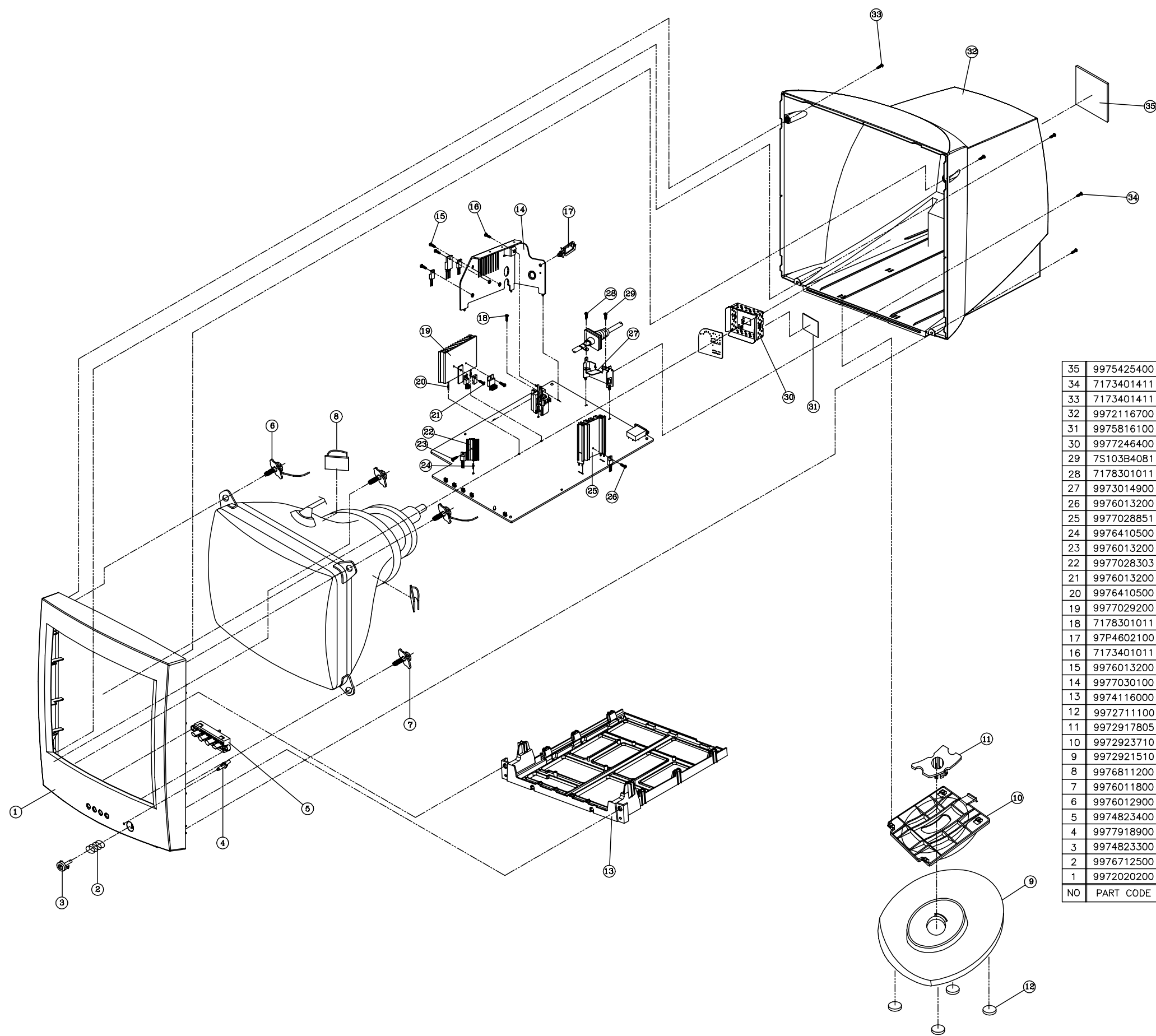
12. Power Supply Unit (P.S.U)











35	9975425400	LABEL RATING	1	P.E T=0.1*98*78	
34	7173401411	SCREW TAPPTITE	1	TT2 BIN 4X14 MFZN	
33	7173401411	SCREW TAPPTITE	4	TT2 BIN 4X14 MFZN	
32	9972116700	COVER REAR	1	FR-ABS GY-275A (94-V0)	
31	9975816100	LABEL DHHS	1	STICKER 120P*70*45	
30	9977246400	SHIELD COVER	1	SPTH-C T=0.3	
29	7S103B4081	SCREW SPECIAL	1	M/C BIN 4*8 MFZN	
28	7178301011	SCREW TAPPTITE	1	TT2 WAS 3X10 MFZN	
27	9973014900	BKT REAR	1	EGI T=1.0	
26	9976013200	SCREW SPECIAL	1	TT2 BIN 3*10 MFZN PW(D.7)	
25	9977028851	HEAT SINK 288	1	A1050P-H24 H=70	
24	9976410500	SHAFT	1	SWRM SN PLATE	+ H/S 283
23	9976013200	SCREW SPECIAL	1	TT2 BIN 3*10 MFZN PW(D.7)	
22	9977028303	HEAT SINK 283	1	A1050P-H24 H=39	
21	9976013200	SCREW SPECIAL	2	TT2 BIN 3*10 MFZN PW(D.7)	
20	9976410500	SHAFT	2	SWRM SN PLATE	+ H/S 292
19	9977029200	HEAT SINK 292	1	A1050P-H24 H=60	
18	7178301011	SCREW TAPPTITE	1	TT2 WAS 3X10 MFZN	
17	97P4602100	WIRE SADDLE	1	NYLON 66,DASW-3N	
16	7173401011	SCREW TAPPTITE	1	TT2 BIN 4X10 MFZN	
15	9976013200	SCREW SPECIAL	3	TT2 BIN 3*10 MFZN PW(D.7)	
14	9977030100	HEAT SINK 301	1	A1050P-H24 T=2.0	
13	9974116000	FRAME BOTTOM	1	FR-ABS GY-275A (94-V0)	
12	9972711100	FOOT	4	RUBBER(WHT) 14	
11	9972917805	FRICTION PAD	1	ABS+PC ALLOY GY-275A (94HB)	
10	9972923710	SWIVEL TABLE	1	HIPS GY-275A (94-HB)	
9	9972921510	BASE STAND	1	HIPS GY-275A (94-HB)	
8	9976811200	CLAMP MOUNT	2	NYLON 66 (DAMC-20)	
7	9976011800	SPECIAL SCREW 5	2	TT2 HEX 5*25 MFZN SPW	
6	9976012900	SCREW SPECIAL	2	TT2 HEX 5*25 SCREW+BAND	
5	9974823400	BUTTON TACT	1	ABS GY-275A (94-HB)	
4	9977918900	LENS LED	1	ACRYL (CLEAR)	
3	9974823300	BUTTON POWER	1	ABS GY-275A (94-HB)	
2	9976712500	SPRING	1	SUS(0.5PIE)	
1	9972020200	COVER FRONT	1	FR-ABS GY-275A (94-V0)	
NO	PART CODE	PART NAME	Q'TY	DESCRIPTION	REMARK

INFORMATION OF PART DESCRIPTION

Important Safety Notice

Components identified with the International Symbol have special characteristics important for safety. When replacing any components, use only manufacturer's specified parts.

Abbreviation of Description

RESISTOR Description

Allowance	
F	$\pm 1\%$
J	$\pm 5\%$
K	$\pm 10\%$
M	$\pm 20\%$
G	$\pm 2\%$

Example:

Fig & Index	Part No	Description
R101	Resistors	
	RD-4Z820J	Carbon: 82J
R102	RD-4Z201J	Carbon1/4W-200J

CAPACITOR Description

Allowance	
C	$\pm 0.25\mu\text{F}$
D	$\pm 0.5\%$
F	$\pm 1\mu\text{F}$
J	$\pm 5\%$
K	$\pm 10\%$
P	$\pm 100\% \sim 0\%$
Z	$\pm 80\% \sim -$

Example:

Fig & Index	Part No	Description
C102	Capacitors	
	CCXF1H104Z	Ceramic 50V 0.1 μF Z
	CCXB1H331K	Ceramic 50V 330PF K
C105	CMXM 2A224J	MYLAR 100V 0.22 μF J

ELECTRICAL PARTS LIST

The components identified by mark  have special characteristics important for safety and x-ray radiation. These should be replaced only with the types specified in the parts list.

LOC	PART-CODE	PART-NAME	PART-DESC	LOC	PART-CODE	PART-NAME	PART-DESC
B001	5PB13890--	COIL BEAD	BI3890	C204	CXCH1H330J	C CERA	50V CH 33PF J (TAPPING)
B002	5PB13857--	COIL BEAD	BI3857(AXIAL)	C205	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)
B003	5PB13857--	COIL BEAD	BI3857(AXIAL)	C207	CCZB1H181K	C CERA	50V B 180PF K AXIAL
B004	5PB13857--	COIL BEAD	BI3857(AXIAL)	C208	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
B005M	5PB14865--	COIL BEAD	BI-4865(5TS)	C229	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)
B1	5PB13890--	COIL BEAD	BI3890	C230	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)
B101	5PB13890--	COIL BEAD	BI3890	C231	CCZB1H181K	C CERA	50V B 180PF K AXIAL
B102	5PB13857--	COIL BEAD	BI3857(AXIAL)	C232	CCZB1H181K	C CERA	50V B 180PF K AXIAL
B103	5PB13857--	COIL BEAD	BI3857(AXIAL)	C301	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)
B106	5PB13857--	COIL BEAD	BI3857(AXIAL)	C302	CCXF3A223Z	C CERA	HIKF 1KV 0.022MF Z
B110	5PB13890--	COIL BEAD	BI3890	C402	CMXM2A562J	C MYLAR	100V 5600PF J (TP)
B2	5PB13890--	COIL BEAD	BI3890	C403	CMXM2A102J	C MYLAR	100V 1000PF J (TP)
B3	5PB13890--	COIL BEAD	BI3890	C404	CEXF2E478V	C ELECTRO	RSS 250V 0.47MF 6.3X11
B301	5PB13857--	COIL BEAD	BI3857(AXIAL)	C405	CMXM2A393J	C MYLAR	100V 0.039MF J (TP)
B601	5PB13857--	COIL BEAD	BI3857(AXIAL)	C406	CMXL2A474J	C MYLAR	MEU 100V 0.47MF J
B801	5PB13857--	COIL BEAD	BI3857(AXIAL)	C407	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
B802	5PB13857--	COIL BEAD	BI3857(AXIAL)	C409	CMXL2A224J	C MYLAR	100V MEU 0.22MF J
BXX1	5PB13890--	COIL BEAD	BI3890	C410	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
BXX2	5PB13890--	COIL BEAD	BI3890	C411	CMXL2A224J	C MYLAR	100V MEU 0.22MF J
 C001	CL1UC3104M	C LINE ACROSS	WORLD AC250V 0.1UFMR47	C412	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
 C004	CH1FDF472M	C CERA AC	2.5KV 4700PF M AC250V	C501	CMXL2A333J	C MYLAR	100V MEU 0.033MF J (TP)
 C005	CEYP2G221Z	C ELECTRO	400V SMH 220MF (25.4*40)	C502	CEXF1H220V	C ELECTRO	50V RSS 22MF (5X11) TP
C006	CCXE3D103P	C CERA	HIKE 2KV 0.01MF P	C505	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)
C007	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	C506	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C009	CMXL2A334J	C MYLAR	MEU 100V 0.33MF J	C507	CMXD2A102G	C MYLAR	KD 100V 1000PF G
C010	CMXM2A332J	C MYLAR	100V 3300PF J (TP)	C509	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
C011	CXCH1H101J	C CERA	50V CH 100PF J (TAPPING)	C510	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C012	CMXM2A152J	C MYLAR	100V 1500PF J (TP)	C511	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C013	CCXB3A331K	C CERA	1KV B 330PF K (TAPPING)	C512	CCXB1H222K	C CERA	50V B 2200PF K (TAPPING)
C014	CMXM2A682J	C MYLAR	100V 6800PF J (TP)	C513	CCXB1H391K	C CERA	50V B 390PF K (TAPPING)
C015	CMXM2A102J	C MYLAR	100V 1000PF J (TP)	C514	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C016	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	C515	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
 C017	CH1FDF472M	C CERA AC	2.5KV 4700PF M AC250V	C516	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C018	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	C518	CCZB1H181K	C CERA	50V B 180PF K AXIAL
C101	CEXF2C680D	C ELECTRO	160V RMU 68MF(12.5*25)	C519	CCZB1H181K	C CERA	50V B 180PF K AXIAL
C102	CCXB3A221K	C CERA	1KV B 220PF K (TAPPING)	C520	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C104	CEXF2E101V	C ELECTRO	250V RSS 100MF 16X31.5	C521	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C107	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	C522	CCXB3A471K	C CERA	1KV B 470PF K (T)
C108	CEXF1C102D	C ELECTRO	16V RMU 1000MF(10*16) TP	C523	CEXD1H100F	C ELECTRO	50V RND 10MF (8X11.5) TP
C110	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP	C524	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C112	CEXF1H331C	C ELECTRO	50V RUS 330MF(10*20) TP	C531	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)
C113	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	C532	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)
C116	CEXF2E220D	C ELECTRO	250V RMU 22MF (10*20)	C533	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP
C117	CEXF1E102D	C ELECTRO	25V RMU 1000MF (10*20)	C534	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C120	CEXF2C330D	C ELECTRO	160V RMU 33MF(10*20)	C535	CMXF2G154J	C MYLAR	MPP 400V 0.15MF J
C201	CCXB1H181K	C CERA	50V B 180PF K (TAPPING)	C536	CMXF2D184J	C MYLAR	MPP 200V 0.18MF J (TP)
C202	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	C537	CMXF2D364J	C MYLAR	200V MPP 0.36MF J (TP)
C203	CXCH1H330J	C CERA	50V CH 33PF J (TAPPING)	C538	CMXF2D334J	C MYLAR	200V MPP 0.33MF J (TP)

LOC	PART-CODE	PART-NAME	PART-DESC	LOC	PART-CODE	PART-NAME	PART-DESC
C540	CMXF2D364J	C MYLAR	200V MPP 0.36MF J (TP)	C811	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C541	CMXF2G154J	C MYLAR	MPP 400V 0.15MF J	C812	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C542	CMXF2G104J	C MYLAR	MPP 400V 0.1MF J	C813	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C551	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP	C814	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C552	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)	C815	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C553	CMXL2E104J	C MYLAR	MEU 250V 0.1MF J	C816	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP
C555	CMXL2A154J	C MYLAR	MEU 100V 0.15MF J	C817	CCXF1H104Z	C CERA	50V F 0.1MF Z
C556	CMXH3C272J	C MYLAR	BUP 1.6KV 2700PF J (TP)	C818	CCXF1H104Z	C CERA	50V F 0.1MF Z
C557	CMXH3C272J	C MYLAR	BUP 1.6KV 2700PF J (TP)	C819	CCXF1H104Z	C CERA	50V F 0.1MF Z
C558	CCXB3A221K	C CERA	1KV B 220PF K (TAPPING)	C820	CCXF1H104Z	C CERA	50V F 0.1MF Z
C559	CCXB3A222K	C CERA	HIKB 1KV 2200PF K	C821	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C601	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)	C822	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C602	CMXL2A334J	C MYLAR	MEU 100V 0.33MF J	C823	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C603	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	C825	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP
C604	CMXL2A224J	C MYLAR	100V MEU 0.22MF J	C826	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z
C605	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	C827	CCZB1H271K	C CERA	50V B 270PF K
C606	CMXH3C601J	C MYLAR	BUP 1.6KV 600PF J	C828	CCZB1H391K	C CERA	50V B 390PF K
C607	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	C831	CCXF2H103Z	C CERA	HIKF 500V 0.01MF Z
C608	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	CA801	9970780032	CONN AS	SMH250+51088+20379#28=250
C609	CEXD1H109F	C ELECTRO	50V RND 1MF (5X11) TP	CT301	9979300008	SOCKET CRT	033 0 7700 44
C610	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	CT302	9979617037	CDT	M41KXU100XX021 (5X10(5))
C611	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	CT303	9970710241	CRT GND AS	0.12*5*24+BL101NG*2=660
C612	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	CW301	9979220009	CONN WAFER	SMW250-08
C613	CMXM2A562G	C MYLAR	100V 5600PF G (TP)	CW801	485923272S	CONN WAFER	5267-06A STICK TYPE
C615	CCZB1H821K	C CERA	50V B 820PF K	CW802	485923282S	CONN WAFER	5267-07A STICK TYPE
C617	CEXF2E220V	C ELECTRO	250V RSS 22MF (13X20) TP	CXX1	CCXF1H104Z	C CERA	50V F 0.1MF Z
C618	CMXL2E223J	C MYLAR	MEU 250V 0.022MF J(TP)	D001	DRL205----	DIODE	RL205
C619	CEXF2E220D	C ELECTRO	250V RMU 22MF (10*20)	D002	DRL205----	DIODE	RL205
C620	CCXF3A223Z	C CERA	HIKF 1KV 0.022MF Z	D003	DRL205----	DIODE	RL205
C621	CEXF1E102D	C ELECTRO	25V RMU 1000MF (10*20)	D004	DRL205----	DIODE	RL205
C640	CCXF1H104Z	C CERA	50V F 0.1MF Z	D005	DER206----	DIODE	ER206
C641	CEXF2A100V	C ELECTRO	100V RSS 10MF (6.3X11) TP	D006	DRU1P----	DIODE	RU 1P (TAPPING)
C642	CEXF2D220V	C ELECTRO	200V RSS 22MF (10X20)	D007	DZN4148---	DIODE	1N4148 AUTO 52MM
C643	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP	D008	DZN4148---	DIODE	1N4148 AUTO 52MM
C644	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	D101	DRU1P----	DIODE	RU 1P (TAPPING)
C645	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	D102	DRG4C----	DIODE	RG4C LF-L1
C647	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	D103	DER206----	DIODE	ER206
C651	CCZF1H103Z	C CERA	50V F 0.01MF Z	D104	DER206----	DIODE	ER206
C702	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	D105	DER206----	DIODE	ER206
C703	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	D201	DZN4148---	DIODE	1N4148 AUTO 52MM
C704	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	D202	DZN4148---	DIODE	1N4148 AUTO 52MM
C705	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	D231	DZN4148---	DIODE	1N4148 AUTO 52MM
C706	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	D232	DZN4148---	DIODE	1N4148 AUTO 52MM
C707	CCXF3A223Z	C CERA	HIKF 1KV 0.022MF Z	D401	DZN4148---	DIODE	1N4148 AUTO 52MM
C801	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	D402	D1N4002A--	DIODE	1N4002
C803	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	D550	DTVR1G----	DIODE	TVR1G TPA1
C806	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	D551	DZN4148---	DIODE	1N4148 AUTO 52MM
C807	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	D553	DRK36----	DIODE	RK36
C808	CCZF1H104Z	C CERA	50V HIKF 0.1MF Z	D554	DDTV32F---	DIODE	DTV32F
C809	CEXF1C470V	C ELECTRO	16V RSS 47MF (5X11) TP	D601	DZN4148---	DIODE	1N4148 AUTO 52MM
C810	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP	D602	DRU3C----	DIODE	RU 3C

LOC	PART-CODE	PART-NAME	PART-DESC
D603	DZN4148---	DIODE	1N4148 AUTO 52MM
D605	DER206---	DIODE	ER206
D607	DZN4148---	DIODE	1N4148 AUTO 52MM
D608	DRU3C----	DIODE	RU 3C
D641	D1A5G----	DIODE	1A5G
D642	D1N4007---	DIODE	IN4007
D643	DER206---	DIODE	ER206
D701	DZN4148---	DIODE	1N4148 AUTO 52MM
D702	DZN4148---	DIODE	1N4148 AUTO 52MM
D703	DZN4148---	DIODE	1N4148 AUTO 52MM
D704	DZN4148---	DIODE	1N4148 AUTO 52MM
D705	DRU1P----	DIODE	RU 1P (TAPPING)
D802	DZN4148---	DIODE	1N4148 AUTO 52MM
D804	DZN4148---	DIODE	1N4148 AUTO 52MM
D806	DZN4148---	DIODE	1N4148 AUTO 52MM
D831	DZN4148---	DIODE	1N4148 AUTO 52MM
D832	DZN4148---	DIODE	1N4148 AUTO 52MM
D833	DZN4148---	DIODE	1N4148 AUTO 52MM
△ DG001	5MG0000062	COIL DEGAUSSING	DG-710B
DZ001	DGDZJ18C--	DIODE ZENER	GDZJ 18C
DZ002	DGDZJ18C--	DIODE ZENER	GDZJ 18C
DZ231	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ232	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ233	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ234	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ235	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ501	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ601	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ602	DGDZJ18C--	DIODE ZENER	GDZJ 18C
DZ603	DDZ5R1B---	DIODE ZENER	DZ-5.1B
DZ604	DZ200A----	DIODE	Z200A
DZ605	DZ300A----	DIODE	Z300A
DZ701	DDZ7R5BM--	DIODE ZENER	DZ7.5BM
DZ702	DDZ15BM---	DIODE ZENER	DZ15BM
△ F001	5F3CB3122L	FUSE CERA	SEMKO TL 3.15AH 250V MF51
F001A	4857415001	CLIP FUSE	PFC5000-0702
F001B	4857415001	CLIP FUSE	PFC5000-0702
I102A	1KA78R12--	IC REGULATOR	KA78R12
I401A	1TDA9302H-	IC VERTICAL	TDA9302H
I802A	1TDA9532--	IC VIDEO OUTPUT	TDA9532
IC001	1KA3842B--	IC POWER	KA3842B
IC101	1KA78L05AZ	IC REGULATOR	KA78L05AZ
IC201	1KS88P6232	IC MICOM	KS88P6232N
IC202	124C08----	IC EEPROM	24C08
IC203	1KA7542---	IC VOTAGE DETECTOR	KA7542
IC501	1UPC1888CT	IC H/V OSC	UPC1888CT
IC601	1KA7500B--	IC	KA7500B
IC801	1KA2500---	IC	KA2500
IC803	1DW0SD10--	IC OSD	KS2508-02
JXX2	9970710238	CONN AS	1007#24+SOLDER=80
L501	5CPZ680K03	COIL PEAKING	68UH K (AXIAL 7MM)

LOC	PART-CODE	PART-NAME	PART-DESC
L531	5MH0000075	COIL H-LINEARITY	TRL-715B
L801	5CPZ101K02	COIL PEAKING	100UH K (AXIAL 3.5MM)
L802	5CPZ101K02	COIL PEAKING	100UH K (AXIAL 3.5MM)
L803	5CPZ338K02	COIL PEAKING	0.33UH K (AXIAL 3.5MM)
L804	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L831	5CPZ338K02	COIL PEAKING	0.33UH K (AXIAL 3.5MM)
L832	5CPZ338K02	COIL PEAKING	0.33UH K (AXIAL 3.5MM)
L833	5CPZ338K02	COIL PEAKING	0.33UH K (AXIAL 3.5MM)
LED01	DSD50GYW--	LED	SD50GYW(GREEN/AMBER)
△ P001	9979500023	RECEPTACLE	BNS-02AB2L-3
P804A	9970710226	CONN AS	35068+1015#18+BL101NG=250
PCB1	9979800515	PCB MAIN	T=1.6*246*330
△ PR001	DECPAC140M	POSISTOR	ECPAC140M290
△ Q001A	T2SK2101--	FET	2SK2101
Q002	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q101	TZTC3206Y-	TR	KTC3206Y (2229Y)
Q103	TKTA1273Y-	TR	KTA1273-Y
Q104	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q105	TKSB546Y--	TR	KSB546-Y
Q231	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q232	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q233	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q401	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q501	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)
Q502	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)
Q506	T2N3904---	TR	2N3904
Q507	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q531	TKSC2383Y-	TR	KSC 2383-Y
Q532	T1RF630A--	FET	IRF630A
Q533	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q534	T2SK2522--	FET	2SK2522-01MR
Q535	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q536	T2SK2522--	FET	2SK2522-01MR
Q537	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q540	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q551	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)
Q552	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)
Q553	T1RF630A--	FET	IRF630A
Q554A	T2SC5387--	TR H.OUT	2SC5387
Q554B	9970710234	CONN AS	0.12*6*16+35068+35750=170
Q601	T2SK2101--	FET	2SK2101
Q602	TZTC3207--	TR	KTC3207 (AUTO)
Q603	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)
Q604	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)
Q605A	T2SJ449---	TR	2SJ449
Q642	TZTA1270Y-	TR	KTA1270Y(AUTO)(562Y)
Q643	TZTA1024Y-	TR	KTA1024Y (949Y)
Q651	TZTC3198Y-	TR	KTC3198Y-(1815Y) (AUTO)
Q701	T2N3904---	TR	2N3904
Q702	T2N3904---	TR	2N3904
Q703	TKSC5042F-	TR	KSC5042F

LOC	PART-CODE	PART-NAME	PART-DESC
Q704	TKSC5042F-	TR	KSC5042F
R001	RC-2Z105J-	R CARBON COMP	1/2 1M OHM J SR37
R002	RS01Z333J-	R M-OXIDE FILM	1W 33K OHM J (TAPPING)
R003	RS01Z333J-	R M-OXIDE FILM	1W 33K OHM J (TAPPING)
R004	RS01Z333J-	R M-OXIDE FILM	1W 33K OHM J (TAPPING)
R005	RS01Z104J-	R M-OXIDE FILM	1W 100K OHM J (TAPPING)
R006	RS01Z104J-	R M-OXIDE FILM	1W 100K OHM J (TAPPING)
R007	RS01Z104J-	R M-OXIDE FILM	1W 100K OHM J (TAPPING)
R008	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R009	RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R010	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R011	RD-AZ204J-	R CARBON FILM	1/6 200K OHM J
R012	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R013	RN-AZ1502F	R METAL FILM	1/6 15K OHM F
R014	RD-AZ154J-	R CARBON FILM	1/6 150K OHM J
R015	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R016	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R017	RW01Z278JN	R WIRE WOUND	1W 0.27 OHM J NON-INDUCT
R018	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R019	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R020	RD-4Z560J-	R CARBON FILM	1/4 56 OHM J
R101	RS01Z100J-	R M-OXIDE FILM	1W 10 OHM J (TAPPING)
R104	RS02Z309J-	R M-OXIDE FILM	2W 3 OHM J (TAPPING)
R106	RD-2Z220J-	R CARBON FILM	1/2 22 OHM J
R107	RS02Z309J-	R M-OXIDE FILM	2W 3 OHM J (TAPPING)
R109	RD-AZ274J-	R CARBON FILM	1/6 270K OHM J
R110	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R112	RD-4Z681J-	R CARBON FILM	1/4 680 OHM J
R113	RD-2Z271J-	R CARBON FILM	1/2 270 OHM J
R114	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R116	RS01Z129J-	R M-OXIDE FILM	1W 1.2 OHM J (TAPPING)
R121	RD-4Z681J-	R CARBON FILM	1/4 680 OHM J
R127	RS01Z273J-	R M-OXIDE FILM	1W 27K OHM J (TAPPING)
R202	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R203	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R204	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R206	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R214	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R215	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R216	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R217	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R218	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R220	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R221	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R222	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R223	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R224	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R231	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R232	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R233	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R234	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J

LOC	PART-CODE	PART-NAME	PART-DESC
R235	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R237	RD-AZ124J-	R CARBON FILM	1/6 120K OHM J
R238	RD-AZ623J-	R CARBON FILM	1/6 62K OHM J
R239	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J
R240	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R241	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R242	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R301	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J
R302	RD-2Z101J-	R CARBON FILM	1/2 100 OHM J
R303	RD-2Z101J-	R CARBON FILM	1/2 100 OHM J
R304	RD-2Z101J-	R CARBON FILM	1/2 100 OHM J
R305	RD-4Z472J-	R CARBON FILM	1/4 4.7K OHM J
R401	RN-AZ9091F	R METAL FILM	1/6 9.09K OHM F
R402	RD-AZ242J-	R CARBON FILM	1/6 2.4K OHM J
R403	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R404	RD-4Z332J-	R CARBON FILM	1/4 3.3K OHM J
R405	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J
R406	RD-4Z221J-	R CARBON FILM	1/4 220 OHM J
R407	RS01Z151J-	R M-OXIDE FILM	1W 150 OHM J (TAPPING)
R408	RD-4Z159J-	R CARBON FILM	1/4 1.5 OHM J
R409	RS01Z109J-	R M-OXIDE FILM	1W 1 OHM J (TAPPING)
R410	RN-AZ6191F	R METAL FILM	1/6 6.19K OHM F
R411	RN-AZ3652F	R METAL FILM	1/6 36.5K OHM F
R412	RN-AZ9092F	R METAL FILM	1/6 90.9K OHM F
R414	RS01Z189J-	R M-OXIDE FILM	1W 1.8 OHM J (TAPPING)
R501	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R502	RN-AZ1002F	R METAL FILM	1/6 10K OHM F
R503	RN-AZ2912F	R METAL FILM	1/6 29.1K OHM F
R508	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R511	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R512	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R513	RD-AZ432J-	R CARBON FILM	1/6 4.3K OHM J
R514	RN-AZ5602F	R METAL FILM	1/6 56K OHM F
R517	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R518	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R519	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R520	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R521	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R522	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R523	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R524	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R531	RD-2Z511J-	R CARBON FILM	1/2 510 OHM J
R532	RS01Z910J-	R M-OXIDE FILM	1W 91 OHM J (TAPPING)
R533	RS01Z910J-	R M-OXIDE FILM	1W 91 OHM J (TAPPING)
R534	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R536	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R537	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R538	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R539	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R540	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R541	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J

LOC	PART-CODE	PART-NAME	PART-DESC
R542	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R543	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R544	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R545	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R546	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R547	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R548	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R549	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R550	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R551	RS01Z330J-	R M-OXIDE FILM	1W 33 OHM J (TAPPING)
R552	RS01Z330J-	R M-OXIDE FILM	1W 33 OHM J (TAPPING)
R553	RD-AZ220J-	R CARBON FILM	1/6 22 OHM J
R554	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R555	RD-4Z473J-	R CARBON FILM	1/4 47K OHM J
R556	RS01Z129J-	R M-OXIDE FILM	1W 1.2 OHM J (TAPPING)
R557	RS01Z159J-	R M-OXIDE FILM	1W 1.5 OHM J (TAPPING)
R558	RS01Z109J-	R M-OXIDE FILM	1W 1 OHM J (TAPPING)
R559	RS01Z159J-	R M-OXIDE FILM	1W 1.5 OHM J (TAPPING)
R560	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J
R561	RD-4Z511J-	R CARBON FILM	1/4 510 OHM J
R570	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R571	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R580	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J
R581	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J
R601	RD-4Z512J-	R CARBON FILM	1/4 5.1K OHM J
R602	RD-AZ513J-	R CARBON FILM	1/6 51K OHM J
R603	RD-AZ512J-	R CARBON FILM	1/6 5.1K OHM J
R604	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R605	RD-AZ822J-	R CARBON FILM	1/6 8.2K OHM J
R606	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J
R608	RN-AZ7501F	R METAL FILM	1/6 7.50K OHM F
R609	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R610	RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J
R611	RW01Z188JN	R WIRE WOUND	1W 0.18 OHM J NON-INDUCT
R612	RD-4Z104J-	R CARBON FILM	1/4 100K OHM J
R613	RD-4Z109J-	R CARBON FILM	1/4 1 OHM J
R614	RS02Z270J-	R M-OXIDE FILM	2W 27 OHM J (TAPPING)
R615	RD-4Z240J-	R CARBON FILM	1/4 24 OHM J
R616	RD-4Z100J-	R CARBON FILM	1/4 10 OHM J
R617	RD-2Z229J-	R CARBON FILM	1/2 2.2 OHM J
R619	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R620	RD-AZ301J-	R CARBON FILM	1/6 300 OHM J
R621	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R622	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R623	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R625	RD-2Z204J-	R CARBON FILM	1/2 200K OHM J
R627	RD-2Z244J-	R CARBON FILM	1/2 240K OHM J
R628	RD-2Z244J-	R CARBON FILM	1/2 240K OHM J
R629	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R630	RN-4Z4701F	R METAL FILM	1/4 4.70K OHM F
R631	RD-4Z104J-	R CARBON FILM	1/4 100K OHM J

LOC	PART-CODE	PART-NAME	PART-DESC
R632	RD-4Z563J-	R CARBON FILM	1/4 56K OHM J
R633	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R641	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R642	RD-AZ911J-	R CARBON FILM	1/6 910 OHM J
R644	RD-2Z270J-	R CARBON FILM	1/2 27 OHM J
R645	RD-4Z474J-	R CARBON FILM	1/4 470K OHM J
R646	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R647	RD-AZ332J-	R CARBON FILM	1/6 3.3K OHM J
R649	RN-AZ3002F	R METAL FILM	1/6 30.0K OHM F
R650	RN-AZ6811F	R METAL FILM	1/6 6.81K OHM F
R651	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R652	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J
R653	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R654	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R655	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R657	RN-AZ3001F	R METAL FILM	1/6 3.0K OHM F
R658	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J
R659	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J
R660	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J
R661	RD-AZ182J-	R CARBON FILM	1/6 1.8K OHM J
R662	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R663	RD-4Z152J-	R CARBON FILM	1/4 1.5K OHM J
R670	RX10V829J-	R CEMENT	10W 8.2 OHM J VERTICAL
R671	RD-AZ393J-	R CARBON FILM	1/6 39K OHM J
R672	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R673	RD-4Z154J-	R CARBON FILM	1/4 150K OHM J
R701	RD-4Z471J-	R CARBON FILM	1/4 470 OHM J
R703	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J
R704	RD-AZ622J-	R CARBON FILM	1/6 6.2K OHM J
R705	RD-4Z470J-	R CARBON FILM	1/4 47 OHM J
R706	RS02Z184J-	R M-OXIDE FILM	2W 180K OHM J
R707	RS02Z184J-	R M-OXIDE FILM	2W 180K OHM J
R708	RS02Z184J-	R M-OXIDE FILM	2W 180K OHM J
R709	RS01Z102J-	R M-OXIDE FILM	1W 1K OHM J (TAPPING)
R710	RD-2Z274J-	R CARBON FILM	1/2 270K OHM J
R711	RD-2Z274J-	R CARBON FILM	1/2 270K OHM J
R713	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J
R801	RD-AZ273J-	R CARBON FILM	1/6 27K OHM J
R802	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J
R803	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R804	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J
R806	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R807	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R808	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R809	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R810	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J
R811	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R812	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J
R813	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J
R814	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
R815	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J

LOC	PART-CODE	PART-NAME	PART-DESC		LOC	PART-CODE	PART-NAME	PART-DESC
R816	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J		R843	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J
R817	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J	△	RL001	5SC0101006	SW RELAY	KI-S-112M 1C-1P(HR-CR313)
R818	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		SC	9970800038	CABLE SIGNAL AS	15P+1C/DDC=1.5M(GY-286A)
R819	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		SC001	9970710201	CONN AS	BL101NG+35740-9002=350
R820	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		SG301	4SG0D00104	SPARK GAP	S-23 1.5KV
R821	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SG302	4SG0D00104	SPARK GAP	S-23 1.5KV
R822	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SG303	4SG0D00104	SPARK GAP	S-23 1.5KV
R823	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SW001	5S50101Z01	SW TACT	KPT-1115VM 1C-1P
R824	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SW002	5S50101Z01	SW TACT	KPT-1115VM 1C-1P
R825	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SW003	5S50101Z01	SW TACT	KPT-1115VM 1C-1P
R826	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SW004	5S50101Z01	SW TACT	KPT-1115VM 1C-1P
R827	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		SW005	5S50101Z01	SW TACT	KPT-1115VM 1C-1P
R828	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	△	T001	5RM0000102	TRANS SMPS	DWT-715B
R829	RD-AZ106J-	R CARBON FILM	1/6 10M OHM J	△	T002	5RY0000004	TRANS SYNC	DST-710C
R830	RD-AZ106J-	R CARBON FILM	1/6 10M OHM J		T501	5RD0000050	TRANS DRIVE	DDT-715B
R831	RF-4Z101J-	R FUSIBLE	1/4 100 OHM J	△	T601	5RH0000124	FBT	FFA79013U
R833	RF-4Z101J-	R FUSIBLE	1/4 100 OHM J		T602	5R50000037	TRANS BUCK	DT-715B
R835	RF-4Z101J-	R FUSIBLE	1/4 100 OHM J	△	TH001	DTP8D13---	THERMISTOR	TP8D13
R837	RF-4Z910J-	R FUSIBLE	1/4 91 OHM J		VR001	RV6421502P	R SEMI FIXED	CCT 065AT 5K OHM B TAP
R838	RF-4Z910J-	R FUSIBLE	1/4 91 OHM J		VR601	RV6421503P	R SEMI FIXED	CCT 065AT 50K OHM B TAP
R841	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J		VR602	RV6421503P	R SEMI FIXED	CCT 065AT 50K OHM B TAP
R842	RD-AZ330J-	R CARBON FILM	1/6 33 OHM J		X201	5XE12R000E	CRYSTAL QUARTZ	HC-49/U 12.00000MHZ 30PPM