

ADJUSTMENT INSTRUCTIONS

■ Safety Precautions

1. It is safe to adjust after using insulating transformer between the power supply line and chassis input to prevent the risk of electric shock and protect the instrument.
2. Never disconnect leads while the TV receiver is on.
3. Don't short any portion of circuits while power is on.
4. The adjustment must be done by the correct appliances.
5. Unless otherwise noted, set the line voltage to 230Vac±10%, 50Hz.

■ Test Equipment required

1. RF signal generator (with pattern generator)
2. DC Power Supply
3. Multimeter (volt meter)
4. Oscilloscope
5. Color analyzer

● SECAM-L' Adjustment

NOTE : This adjustment should be performed after PIF adjustment.

Test Point : TP1

Adjust : VR102

- 1) Turn on S1 and S3 and off S2.
- 2) Adjust VR102 so that the DC voltage may be indicated $2.5 \pm 0.1\text{Vdc}$.

● RF AGC (Automatic Gain Control) Adjustment

Test Point : J209 or Observing Display

Adjust : VR101

The RF AGC control (VR101) was aligned at the time of manufacture for optimum performance over a wide range conditions. Readjustment of VR101 should not be necessary unless unusual local conditions exist, such as ;

- 1) Channel interference in a CATV system.
- 2) Picture bending and/or color beats, which are unusually due to excessive RF signal input when the receiver is too close to a transmitting tower or when the receiver is connected to an antenna distribution system where the RF signal has been amplified. In this case, the input signal should be attenuated (with pad or filter) to a satisfactory level.
- 3) Picture noise caused by "broadcast noise" or weak signal. If the broadcast is "clean" and the RF signal is at least 1mV (60dBu), the picture will be noise free in any area.

Adjusting the VR101(RF AGC) control to one end of rotation will usually cause a relatively poor signal to noise ratio; Adjusting to the other end of rotation will usually cause a degradation of over load capabilities resulting in color beats or adjacent channel interference. For best results, adjust the VR101 control while performing on all over local channels, or the voltage at TP2 will be $2.3 \pm 0.1\text{Vdc}$ in RF level $65 \pm 1\text{dBuV}$.

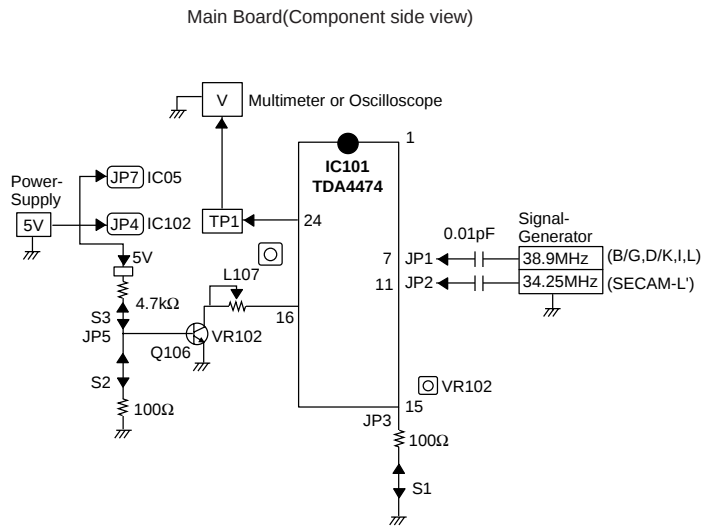


Fig. 1 : Connection Diagram of Equipment for PIF Adjustment

● PIF (Picture Intermediate Frequency) Adjustment

Test Point : TP1

Adjust : L107

- 1) Connect the measuring equipment to the Main Board as shown in Fig.1.
- 2) Set RF frequency and output level of RF SIGNAL GENERATOR as shown Table 1.
- 3) Turn off S1 and S3 and on S2.
- 4) Adjust L107 so that the DC voltage may be $2.5 \pm 0.1\text{Vdc}$.

System	Frequency	Modulation	Output level	Adjust
B/G,D/K/I,SECAM-L	38.9MHz	OFF	10mVp-p	L107
SECAM-L'	34.25MHz	OFF	10mVp-p	VR102

(Table 1)

● Screen Voltage Adjustment

Test Point : RK (Red Cathode of CPT Board)

Adjust : Screen Control of FBT

NOTE: To enter SVC mode, press "OK" buttons on both TV set and the Remote control at the same time.

- 1) Tune the TV set to receive a digital pattern.
- 2) Press MIX button on remote controller for Service to get into the Screen Adjust Mode.
- 3) Adhere the Color Analyzer on the White window of CPT face.
- 4) Adjust Screen Volume of FBT so that the luminance of White window is $6.5 \pm 0.5 \text{ ft/L}$.

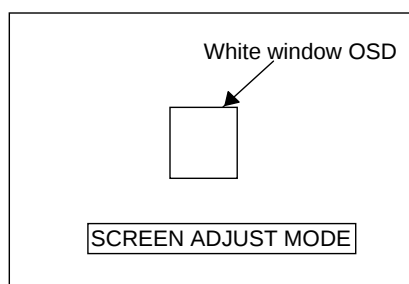


Fig. 2 SVC MODE for SCREEN Adjust

● Focus Adjustment

NOTE: This adjustment should be performed after warming up for 10 minutes.

Test Point : Observing Display

Adjust : Focus control of FBT

- 1) Tune the TV set to receive a digital pattern.
- 2) Adjust the lower Focus control of FBT for the best focus of vertical line B.
- 3) Adjust the upper Focus control of FBT for the best focus of area A.
- 4) Repeat above step 2) and 3) for the best overall focus.

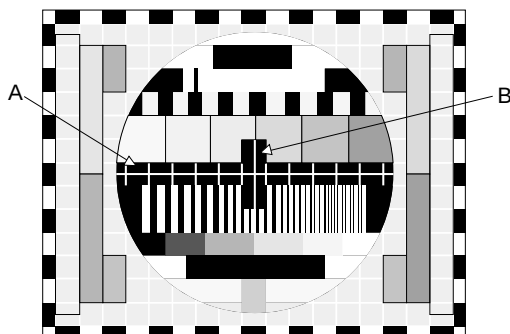


Fig. 3

● Deflection Data Adjustment (Line SVC-1)

1. Preparation for Deflection Adjustment

- 1) At SVC mode, press the Yellow colored button.
If the Remote Controller doesn't have the Yellow button, use the button under the Channel Down (PR ▼) button. And then, deflection data adjustment OSD (SVC1 mode) will be displayed.
- 2) Press Channel UP/DOWN button for desirous function Adjustment.
- 3) Press Volume UP/DOWN button to adjust the data.

VL--(Vertical Linearity)

Adjust so that the boundary line between upper and lower half is in accord with geometric horizontal center of the CPT.

VA--(Vertical Height)

Adjust so that the circle of a digital pattern may be located within the effective screen of the CPT.

SC--(Vertical "S" correction)

Adjust so that all distance between each horizontal lines are to be the same.

VS--(Vertical Shift)

Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

HS--(Horizontal Shift)

Adjust so that the vertical center line of a digital circle pattern is in accord with geometric vertical center of the CPT.

EW--(Horizontal Width)

Adjust to that a digital circle pattern looks like exact circle.

EC--(East-west Parabola)

Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the CPT.

CRNU & CRNL

Adjust so that the vertical line at every 4 corners of the screen looks like parallel with the vertical lines of the CPT.

ET--(East-west Trapezium)

Adjust to make the length of top horizontal line same with it of the bottom horizontal line.

Menu	Range	LG 29" Flat
VL	0 ~ FFFF	0079
VA	0 ~ FFFF	00C1
SC	0 ~ FFFF	0091
VS	0 ~ FFFF	0082
HS	0 ~ FFFF	0092
EW	0 ~ FFFF	011D
ET	0 ~ FFFF	007F
EC	0 ~ FFFF	0061
CRNU	0 ~ FFFF	0083
CRNL	0 ~ FFFF	0083

(Table 2)

● White Balance Adjustment.(LINE SVC 0)

NOTE : This adjustment should be performed after screen voltage adjustment.

- 1) Tune the TV set to receive an 100% white pattern.
- 2) Press the Yellow button on remote controller in the SVC Mode (press OK buttons on both TV set and remote controller at the same time) then you can find On Screen Display.
- 3) Press PSM (RED) button on remote controller. (Standard picture)
- 4) Press PR+ or PR- button for desirous function adjustment.
- 5) Adjust VOL+ or VOL- button for CG:00E9.
- 6) Adjust VOL+ or VOL-button in each status of "Rg--"/"Bg--" for $X=267\pm 8$, $Y=273\pm 8$ with color analyzer (color temperature 13,000°K).

Menu	Range	LG 29" Flat
CR	0 ~ 511	00E9
CG	0 ~ 511	00E9
CB	0 ~ 511	00E9
WR	0 ~ 511	0187
WG	0 ~ 511	0187
WB	0 ~ 511	0187

(Table 3)

● OPTION Adjustment (SVC MODE:OPTION-1, OPTION-2, OPTION-3)

NOTE: When the EEPROM has been replaced, the Option data should be restored as the function of individual system and specification.

- 1) Press OK buttons on both TV set and Remote Controller at the same time to get into SVC mode.
- 2) Press the Yellow button several times to find OPTION-1, OPTION-2 and OPTION-3.
- 3) Input the correspond OPTION data referring to Table below with the numeric buttons 0~9.

Table 1. OPTION 1 Function

Option	Code	Function	Remark
I/II SAVE	0	No SAVE DUAL Sound Condition	EU
	1	SAVE DUAL Sound Condition	NON-EU
EYE	0	Without EYE	
	1	With EYE	
H-Phone	0	Without Headphone Jack	
	1	With Headphone Jack	
Woofer	0	Squiter Amp.	
	1	Woofer Amp.	
Vol-Curve	0	Standard Curve	LOW STEP→RUSH
	1	Rushed Curve	HIGH STEP→SLOW
M-SYS	0	Without NTSC-M	
	1	With NTSC-M system	
L-SYS	0	Without SECAM L/L'	
	1	With SECAM L/L'	

Table 2. OPTION 1 CODE Data

OPTION Data	I/II SAVE	EYE	H-PHONE	Woofer	Volume	M SYS	L SYS
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	1
2	0	0	0	0	0	1	0
3	0	0	0	0	0	1	1
4	0	0	0	0	1	0	0
5	0	0	0	0	1	0	1
6	0	0	0	0	1	1	0
7	0	0	0	0	1	1	1
8	0	0	0	1	0	0	0
9	0	0	0	1	0	0	1
10	0	0	0	1	0	1	0
11	0	0	0	1	0	1	1
12	0	0	0	1	1	0	0
13	0	0	0	1	1	0	1
14	0	0	0	1	1	1	0
15	0	0	0	1	1	1	1
16	0	0	1	0	0	0	0

OPTION Data	I/II SAVE	EYE	H-PHONE	Woofer	Volume	M SYS	L SYS
17	0	0	1	0	0	0	1
18	0	0	1	0	0	1	0
19	0	0	1	0	0	1	1
20	0	0	1	0	1	0	0
21	0	0	1	0	1	0	1
22	0	0	1	0	1	1	0
23	0	0	1	0	1	1	1
24	0	0	1	1	0	0	0
25	0	0	1	1	0	0	1
26	0	0	1	1	0	1	0
27	0	0	1	1	0	1	1
28	0	0	1	1	1	0	0
29	0	0	1	1	1	0	1
30	0	0	1	1	1	1	0
31	0	0	1	1	1	1	1
32	0	1	0	0	0	0	0
33	0	1	0	0	0	0	1
34	0	1	0	0	0	1	0
35	0	1	0	0	0	1	1
36	0	1	0	0	1	0	0
37	0	1	0	0	1	0	1
38	0	1	0	0	1	1	0
39	0	1	0	0	1	1	1
40	0	1	0	1	0	0	0
41	0	1	0	1	0	0	1
42	0	1	0	1	0	1	0
43	0	1	0	1	0	1	1
44	0	1	0	1	1	0	0
45	0	1	0	1	1	0	1
46	0	1	0	1	1	1	0
47	0	1	0	1	1	1	1
48	0	1	1	0	0	0	0
49	0	1	1	0	0	0	1
50	0	1	1	0	0	1	0
51	0	1	1	0	0	1	1
52	0	1	1	0	1	0	0
53	0	1	1	0	1	0	1
54	0	1	1	0	1	1	0
55	0	1	1	0	1	1	1
56	0	1	1	1	0	0	0
57	0	1	1	1	0	0	1
58	0	1	1	1	0	1	0
59	0	1	1	1	0	1	1
60	0	1	1	1	1	0	0
61	0	1	1	1	1	0	1
62	0	1	1	1	1	1	0

OPTION Data	I/II SAVE	EYE	H- PHONE	Woofers	Volume	M SYS	L SYS
63	0	1	1	1	1	1	1
64	1	0	0	0	0	0	0
65	1	0	0	0	0	0	1
66	1	0	0	0	0	1	0
67	1	0	0	0	0	1	1
68	1	0	0	0	1	0	0
69	1	0	0	0	1	0	1
70	1	0	0	0	1	1	0
71	1	0	0	0	1	1	1
72	1	0	0	1	0	0	0
73	1	0	0	1	0	0	1
74	1	0	0	1	0	1	0
75	1	0	0	1	0	1	1
76	1	0	0	1	1	0	0
77	1	0	0	1	1	0	1
78	1	0	0	1	1	1	0
79	1	0	0	1	1	1	1
80	1	0	1	0	0	0	0
81	1	0	1	0	0	0	1
82	1	0	1	0	0	1	0
83	1	0	1	0	0	1	1
84	1	0	1	0	1	0	0
85	1	0	1	0	1	0	1
86	1	0	1	0	1	1	0
87	1	0	1	0	1	1	1
88	1	0	1	1	0	0	0
89	1	0	1	1	0	0	1
90	1	0	1	1	0	1	0
91	1	0	1	1	0	1	1
92	1	0	1	1	1	0	0
93	1	0	1	1	1	0	1
94	1	0	1	1	1	1	0
95	1	1	0	1	1	1	1
96	1	1	0	0	0	0	0
97	1	1	0	0	0	0	1
98	1	1	0	0	0	1	0
99	1	1	0	0	0	1	1
100	1	1	0	0	1	0	0
101	1	1	0	0	1	0	1
102	1	1	0	0	1	1	0
103	1	1	0	0	1	1	1
104	1	1	0	1	0	0	0
105	1	1	0	1	0	0	1
106	1	1	0	1	0	1	0
107	1	1	0	1	0	1	1
108	1	1	0	1	1	0	0

OPTION Data	I/II SAVE	EYE	H- PHONE	Woofers	Volume	M SYS	L SYS
109	1	1	0	1	1	0	1
110	1	1	0	1	1	1	0
111	1	1	0	1	1	1	1
112	1	1	1	0	0	0	0
113	1	1	1	0	0	0	1
114	1	1	1	0	0	1	0
115	1	1	1	0	0	1	1
116	1	1	1	0	1	0	0
117	1	1	1	0	1	0	1
118	1	1	1	0	1	1	0
119	1	1	1	0	1	1	1
120	1	1	1	1	0	0	0
121	1	1	1	1	0	0	1
122	1	1	1	1	0	1	0
123	1	1	1	1	0	1	1
124	1	1	1	1	1	0	0
125	1	1	1	1	1	0	1
126	1	1	1	1	1	1	0
127	1	1	1	1	1	1	1

Table 3. OPTION 2 Function

Option	Code	Function	Remark
TOP TEXT(TOP=0)	0	FLOP TEXT	Without
	1	TOP TEXT	
TURBO	0	W/O TURBO Picture & Sound	To compensate the Inclination of picture
	1	With TURBO Picture & Sound	
DK CHINA	0	Without D/K CHINA	
	1	With D/K CHINA	
BB SYS	0	Without BB System	
	1	With BB System	
VGA	0	Without VGA Mode	
	1	With VGA Mode	
DVD	0	Without DVD(Y, Cr, Cb) Input	
	1	With DVD Input	

Table 4. OPTION 2 CODE Data

OPTION Data	TOP	TURBO	D/K	B/B	VGA	DVD
0	0	0	0	0	0	0
1	0	0	0	0	0	1
2	0	0	0	0	1	0
3	0	0	0	0	1	1
4	0	0	0	1	0	0
5	0	0	0	1	0	1
6	0	0	0	1	1	0
7	0	0	0	1	1	1
8	0	0	1	0	0	0
9	0	0	1	0	0	1
10	0	0	1	0	1	0
11	0	0	1	0	1	1
12	0	0	1	1	0	0
13	0	0	1	1	0	1
14	0	0	1	1	1	0
15	0	0	1	1	1	1
16	0	1	0	0	0	0
17	0	1	0	0	0	1
18	0	1	0	0	1	0
19	0	1	0	0	1	1
20	0	1	0	1	0	0
21	0	1	0	1	0	1
22	0	1	0	1	1	0
23	0	1	0	1	1	1
24	0	1	1	0	0	0
25	0	1	1	0	0	1
26	0	1	1	0	1	0
27	0	1	1	0	1	1

OPTION Data	TOP	TURBO	D/K	B/B	VGA	DVD
28	0	1	1	1	0	0
29	0	1	1	1	0	1
30	0	1	1	1	1	0
31	0	1	1	1	1	1
32	1	0	0	0	0	0
33	1	0	0	0	0	1
34	1	0	0	0	1	0
35	1	0	0	0	1	1
36	1	0	0	1	0	0
37	1	0	0	1	0	1
38	1	0	0	1	1	0
39	1	0	0	1	1	1
40	1	0	1	0	0	0
41	1	0	1	0	0	1
42	1	0	1	0	1	0
43	1	0	1	0	1	1
44	1	0	1	1	0	0
45	1	0	1	1	0	1
46	1	0	1	1	1	0
47	1	0	1	1	1	1
48	1	1	0	0	0	0
49	1	1	0	0	0	1
50	1	1	0	0	1	0
51	1	1	0	0	1	1
52	1	1	0	1	0	0
53	1	1	0	1	0	1
54	1	1	0	1	1	0
55	1	1	0	1	1	1
56	1	1	1	0	0	0
57	1	1	1	0	0	1
58	1	1	1	0	1	0
59	1	1	1	0	1	1
60	1	1	1	1	0	0
61	1	1	1	1	0	1
62	1	1	1	1	1	0
63	1	1	1	1	1	1

Table 5. OPTION 3 Function

Option	Code	Function	Remark
Soft Touch	0	Use Normal Key Board	According to Tool Outlook.
	1	Use Soft Touch Key Board	
Wide TV	0	4:3 TV	
	1	16:9 TV	
Scart	0	Scart Input	AV1
	1	Phone Input	
LNA	0	Without LNA	
	1	With LNA	
OSD	0	English Only	
	1	Eng+Chinese	
	2	Eng+French+Arabic+Urdu+Parsi	
	3	Eng+German+French+Italian+Spanish+Netherlandish+Portuguese	
	4	Eng+Swedish+Norwegian+Danish+Finish	
	5	Eng+Romanian+Polish+Hungarian+Czech+Russian	
	6	Reserved	
	7	Full	

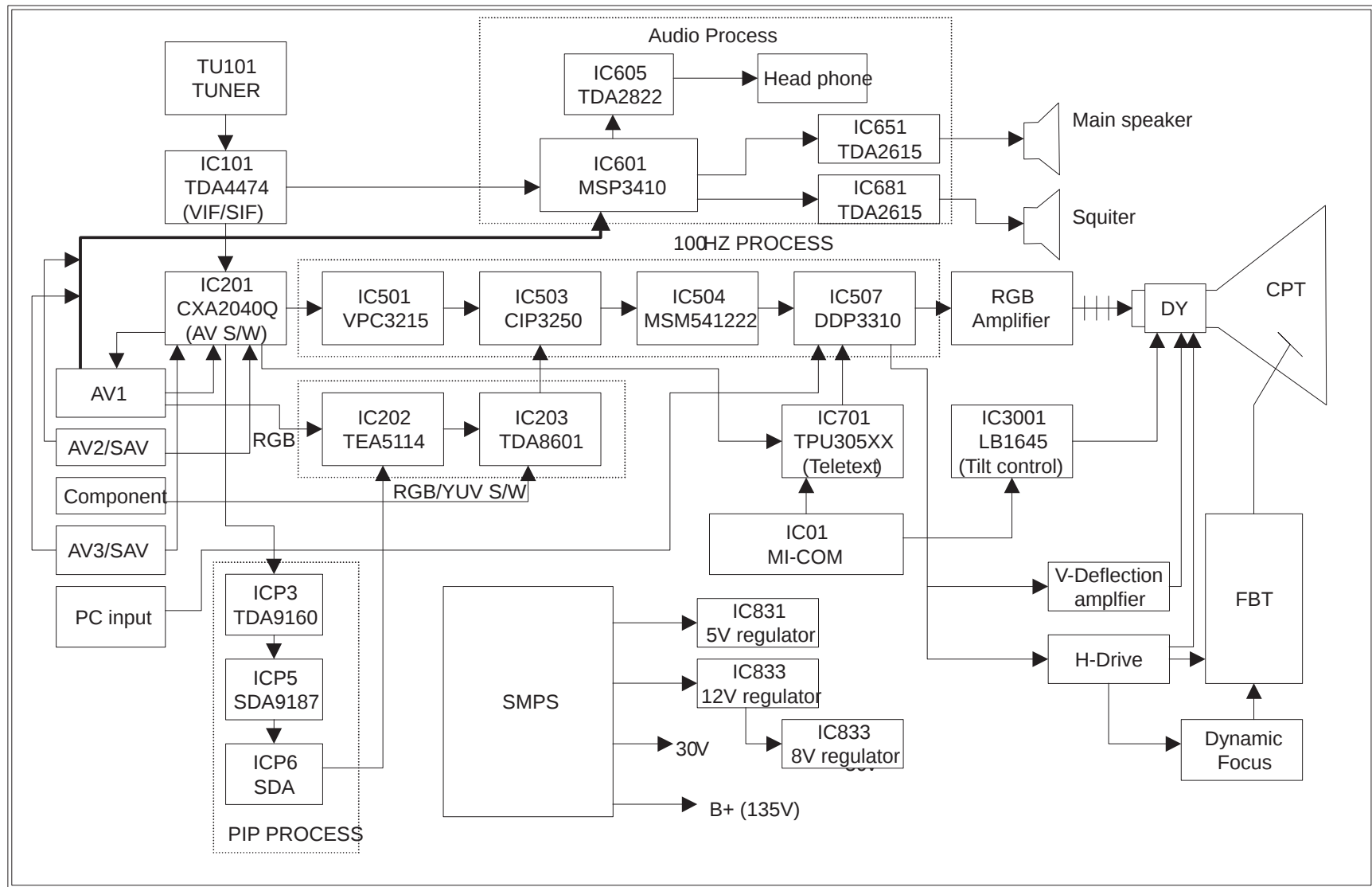
Table 6. OPTION 3 CODE Data

OPTION Data	Soft	Wide TV	Scart	LNA	OSD
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	0	2
3	0	0	0	0	3
4	0	0	0	0	4
5	0	0	0	0	5
6	0	0	0	0	6
7	0	0	0	0	7
8	0	0	0	1	0
9	0	0	0	1	1
10	0	0	0	1	2
11	0	0	0	1	3
12	0	0	0	1	4
13	0	0	0	1	5
14	0	0	0	1	6
15	0	0	0	1	7
16	0	0	1	0	0
17	0	0	1	0	1
18	0	0	1	0	2
19	0	0	1	0	3
20	0	0	1	0	4
21	0	0	1	0	5
22	0	0	1	0	6
23	0	0	1	0	7

OPTION Data	Soft	Wide TV	Scart	LNA	OSD
24	0	0	1	1	0
25	0	0	1	1	1
26	0	0	1	1	2
27	0	0	1	1	3
28	0	0	1	1	4
29	0	0	1	1	5
30	0	0	1	1	6
31	0	0	1	1	7
32	0	1	0	0	0
33	0	1	0	0	1
34	0	1	0	0	2
35	0	1	0	0	3
36	0	1	0	0	4
37	0	1	0	0	5
38	0	1	0	0	6
39	0	1	0	0	7
40	0	1	0	1	0
41	0	1	0	1	1
42	0	1	0	1	2
43	0	1	0	1	3
44	0	1	0	1	4
45	0	1	0	1	5
46	0	1	0	1	6
47	0	1	0	1	7
48	0	1	1	0	0
49	0	1	1	0	1
50	0	1	1	0	2
51	0	1	1	0	3
52	0	1	1	0	4
53	0	1	1	0	5
54	0	1	1	0	6
55	0	1	1	0	7
56	0	1	1	1	0
57	0	1	1	1	1
58	0	1	1	1	2
59	0	1	1	1	3
60	0	1	1	1	4
61	0	1	1	1	5
62	0	1	1	1	6
63	0	1	1	1	7
64	1	0	0	0	0
65	1	0	0	0	1
66	1	0	0	0	2
67	1	0	0	0	3
68	1	0	0	0	4
69	1	0	0	0	5

OPTION Data	Soft	Wide TV	Scart	LNA	OSD
70	1	0	0	0	6
71	1	0	0	0	7
72	1	0	0	1	0
73	1	0	0	1	1
74	1	0	0	1	2
75	1	0	0	1	3
76	1	0	0	1	4
77	1	0	0	1	5
78	1	0	0	1	6
79	1	0	0	1	7
80	1	0	1	0	0
81	1	0	1	0	1
82	1	0	1	0	2
83	1	0	1	0	3
84	1	0	1	0	4
85	1	0	1	0	5
86	1	0	1	0	6
87	1	0	1	0	7
88	1	0	1	1	0
89	1	0	1	1	1
90	1	0	1	1	2
91	1	0	1	1	3
92	1	0	1	1	4
93	1	0	1	1	5
94	1	0	1	1	6
95	1	0	1	1	7
96	1	1	0	0	0
97	1	1	0	0	1
98	1	1	0	0	2
99	1	1	0	0	3
100	1	1	0	0	4
101	1	1	0	0	5
102	1	1	0	0	6
103	1	1	0	0	7
104	1	1	0	1	0
105	1	1	0	1	1
106	1	1	0	1	2
107	1	1	0	1	3
108	1	1	0	1	4
109	1	1	0	1	5
110	1	1	0	1	6
111	1	1	0	1	7
112	1	1	1	0	0
113	1	1	1	0	1
114	1	1	1	0	2
115	1	1	1	0	3

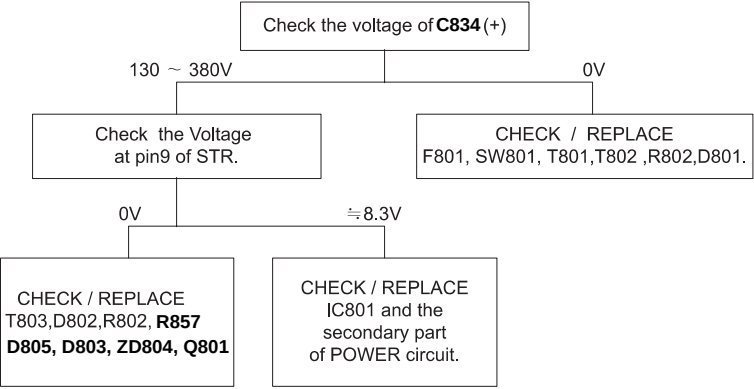
OPTION Data	Soft	Wide TV	Scart	LNA	OSD
116	1	1	1	0	4
117	1	1	1	0	5
118	1	1	1	0	6
119	1	1	1	0	7
120	1	1	1	1	0
121	1	1	1	1	1
122	1	1	1	1	2
123	1	1	1	1	3
124	1	1	1	1	4
125	1	1	1	1	5
126	1	1	1	1	6
127	1	1	1	1	7



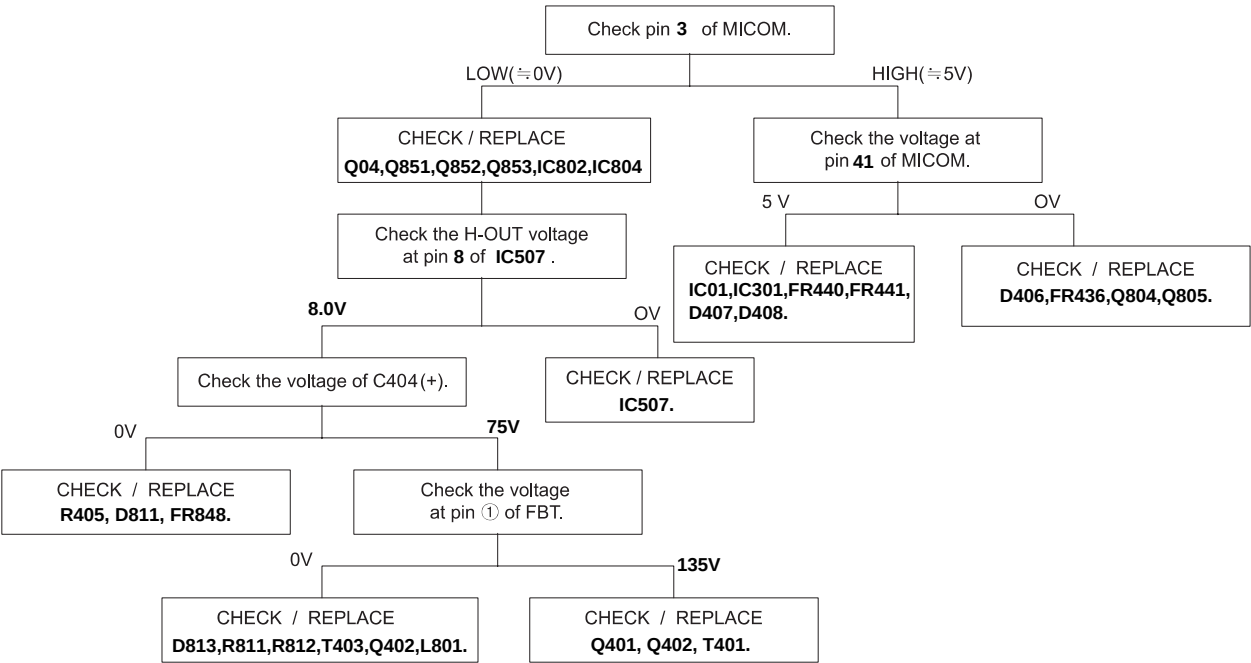
BLOCK DIAGRAM

TROUBLESHOOTING GUIDE

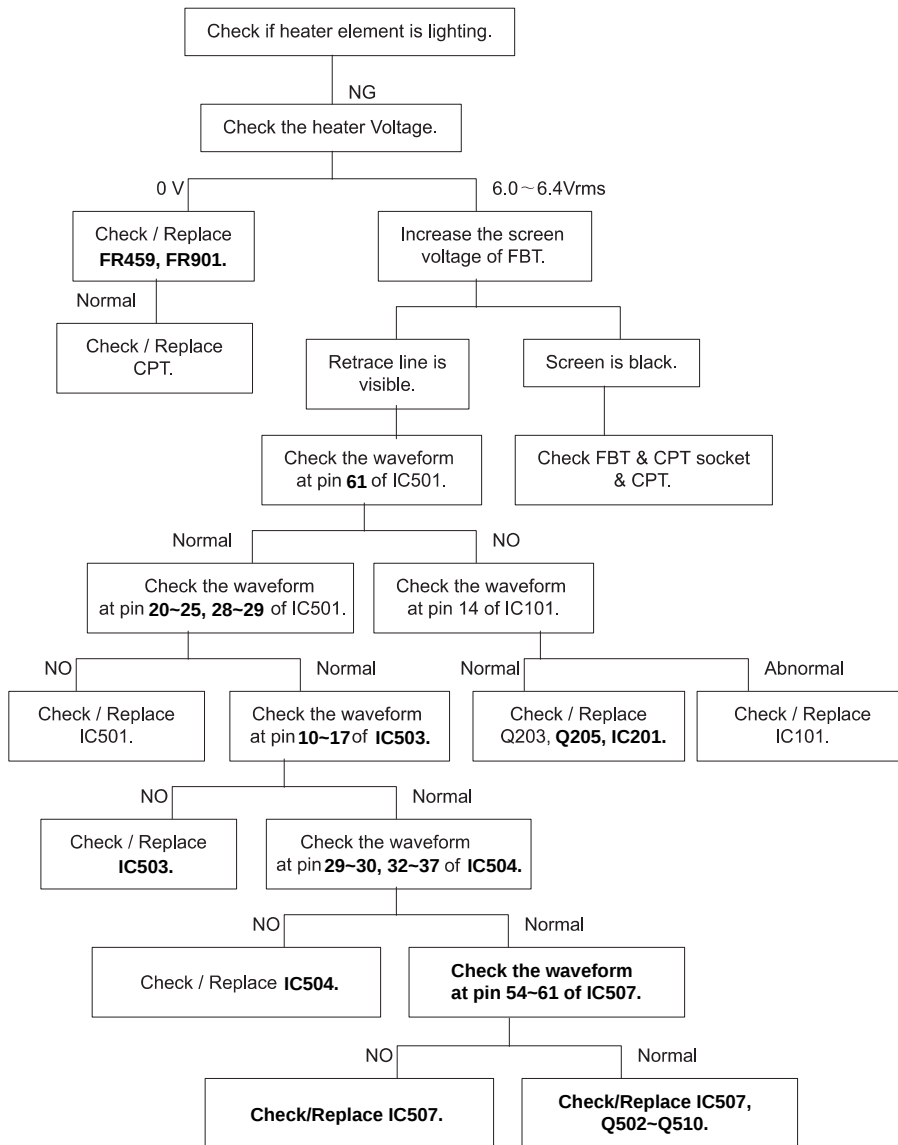
NO POWER (NOT WORKING SMPS)



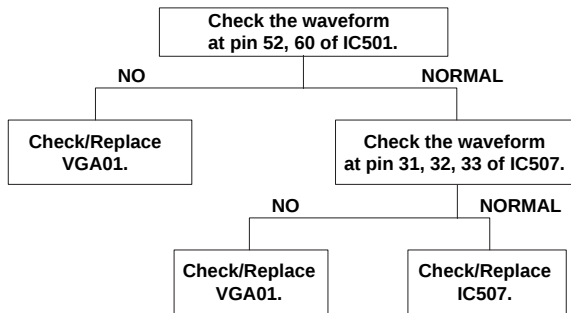
NO POWER ON BUT SMPS WORKING



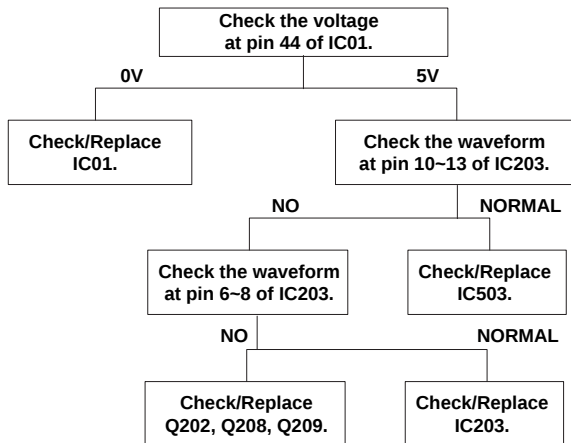
NO RASTER & PICTURE (H-OUT OK)



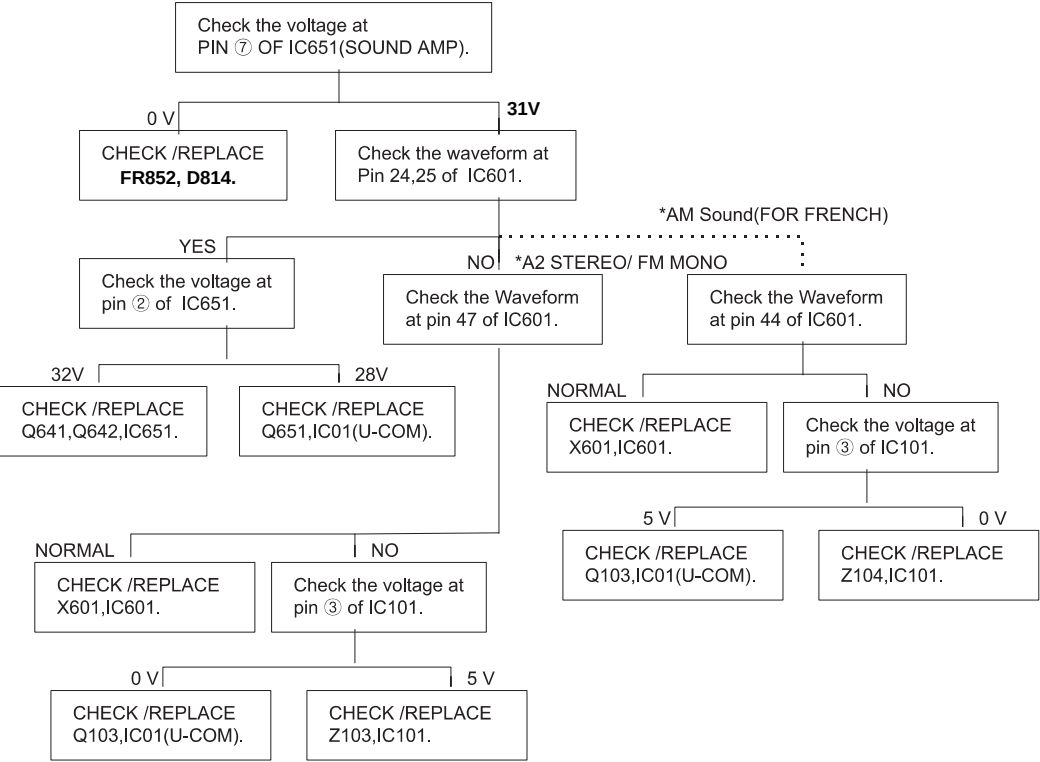
NO VGA



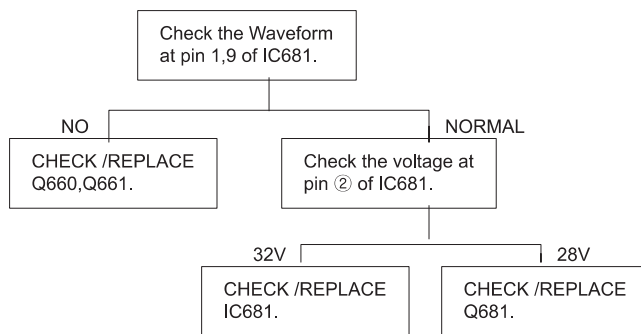
NO COMPONENT



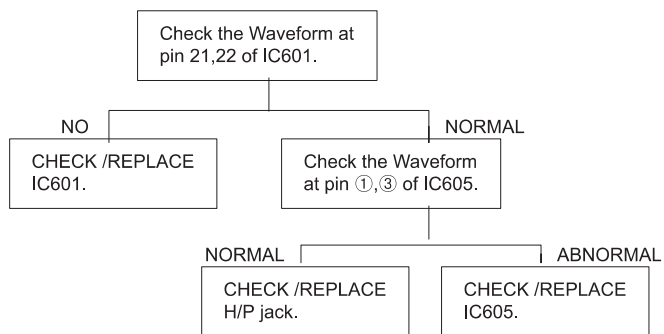
NO SOUND(PICTURE OK)



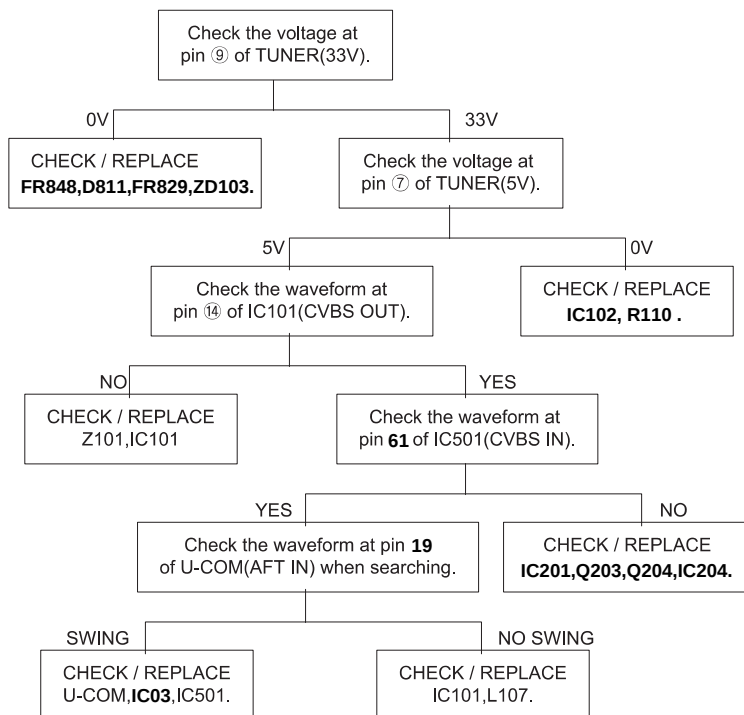
NO SOUND FROM SQUITTER Speaker(OPTION) (but Main Sound OK)



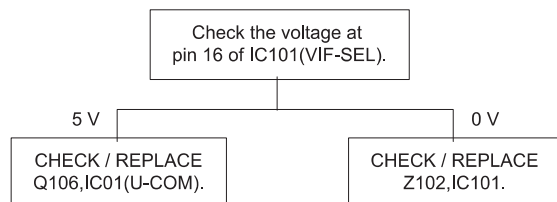
NO SOUND FROM H/P jack(OPTION) (but Main Sound OK)



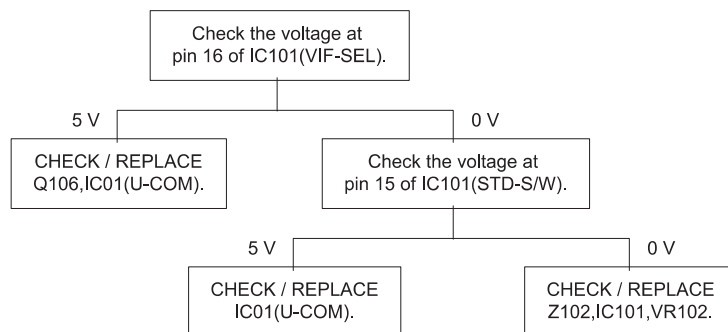
DON T CATCH CHANNEL



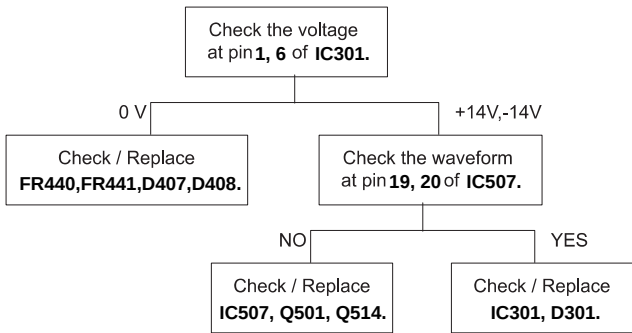
DON T CATCH NTSC-M (OPTION)



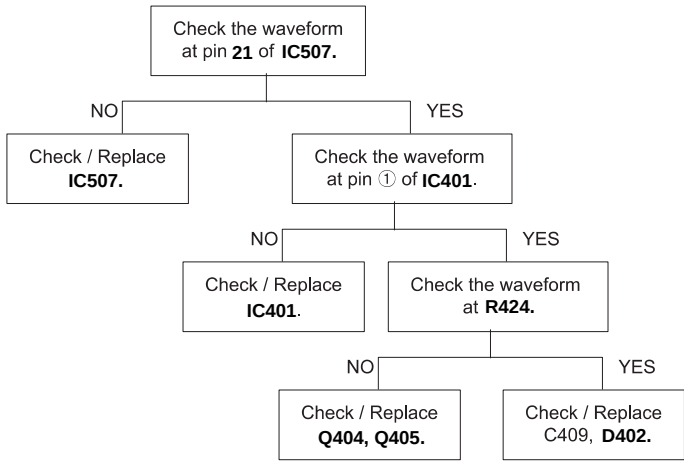
DON T CATCH SECAM-L (OPTION)



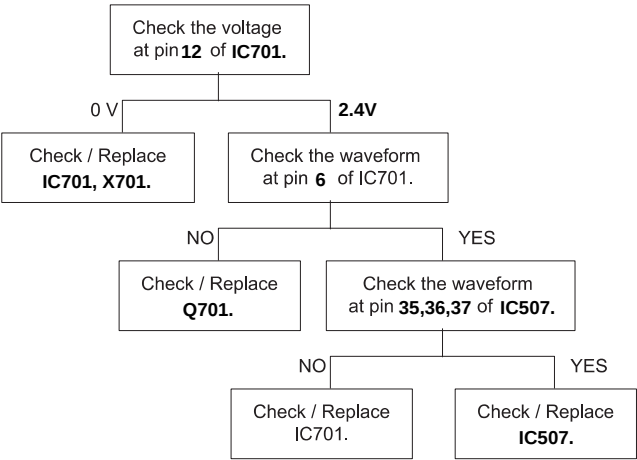
NO VERTICAL DEFLECTION



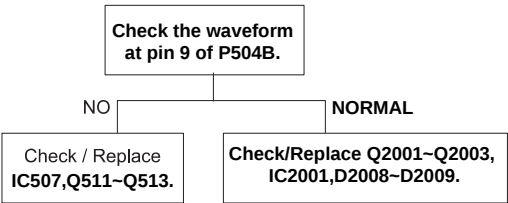
PIN CUSHION DISTORTION



NO TELETEXT



VM DON T WORKING



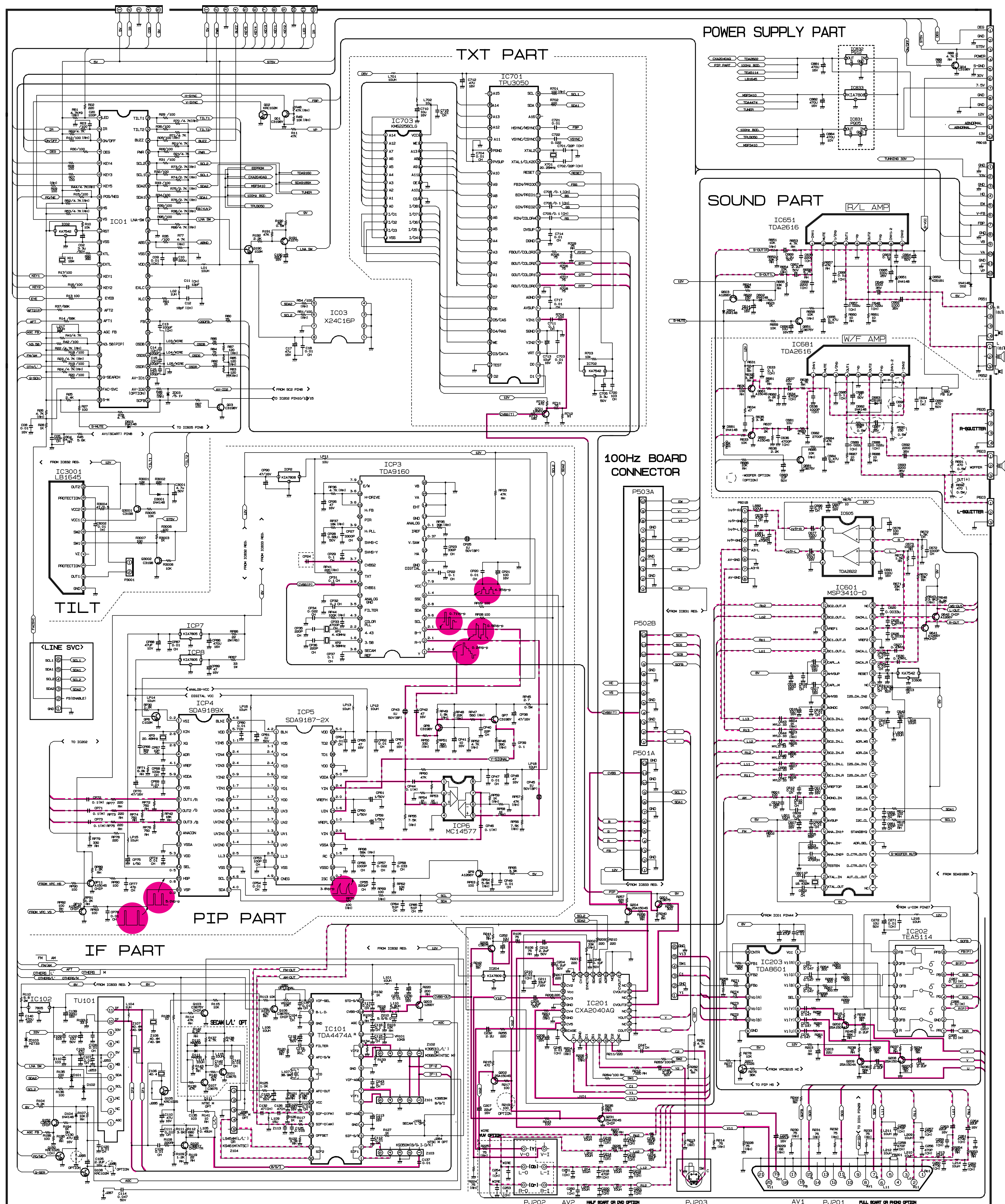
Service Sheet of MC-993A

CIRCUIT DIAGRAM FOR MC-993A CHASSIS MAIN1

99 03 11 Y S Park

P/N : 3854VA0061A-S1(1/2)

Date : 1999.7.23



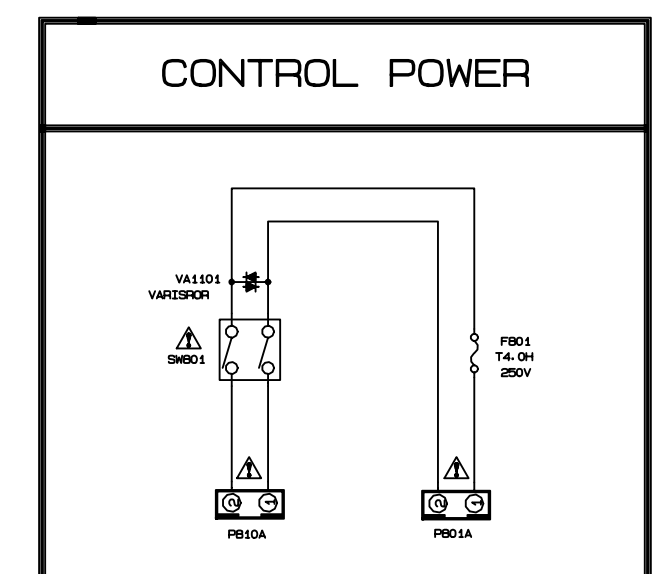
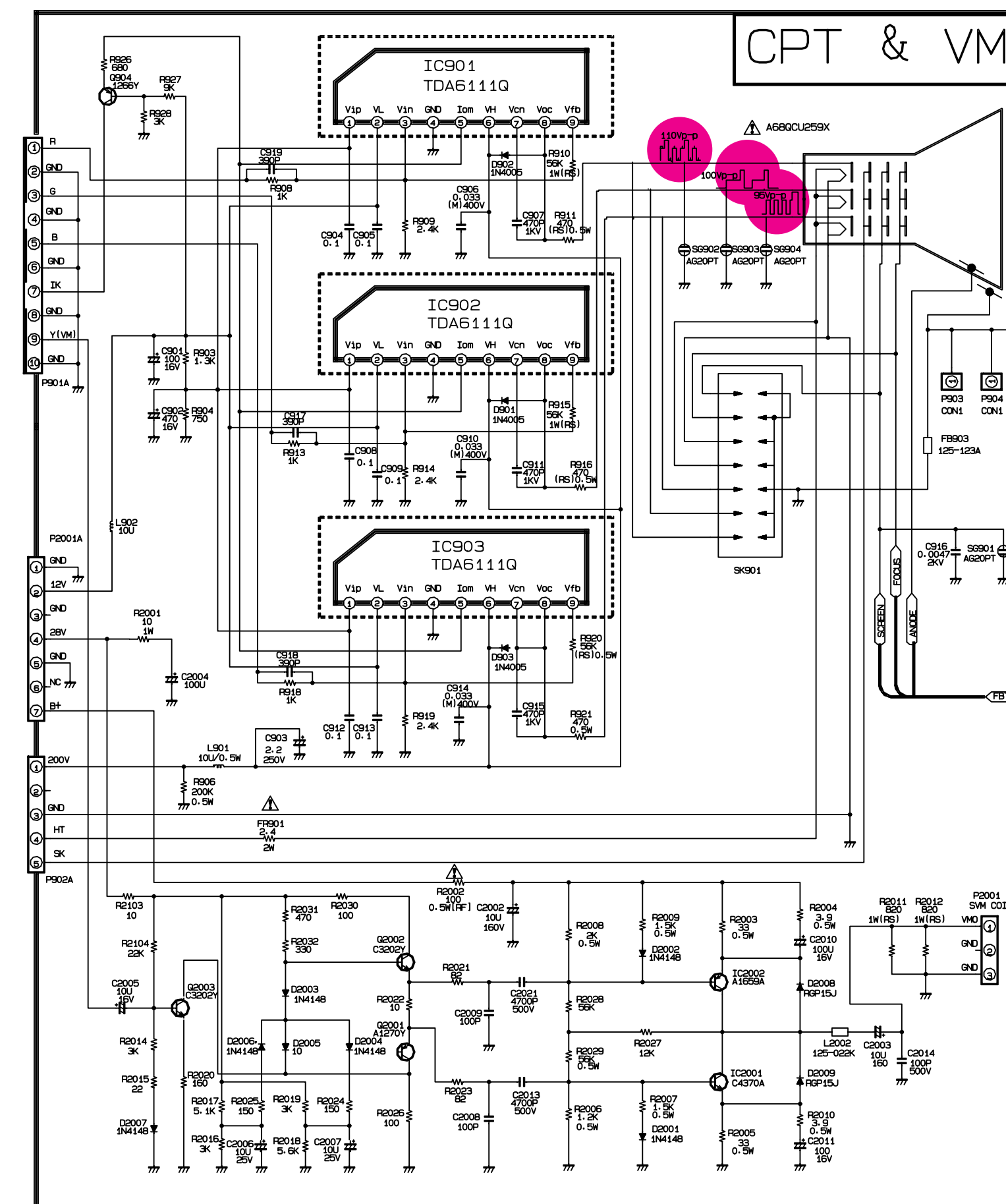
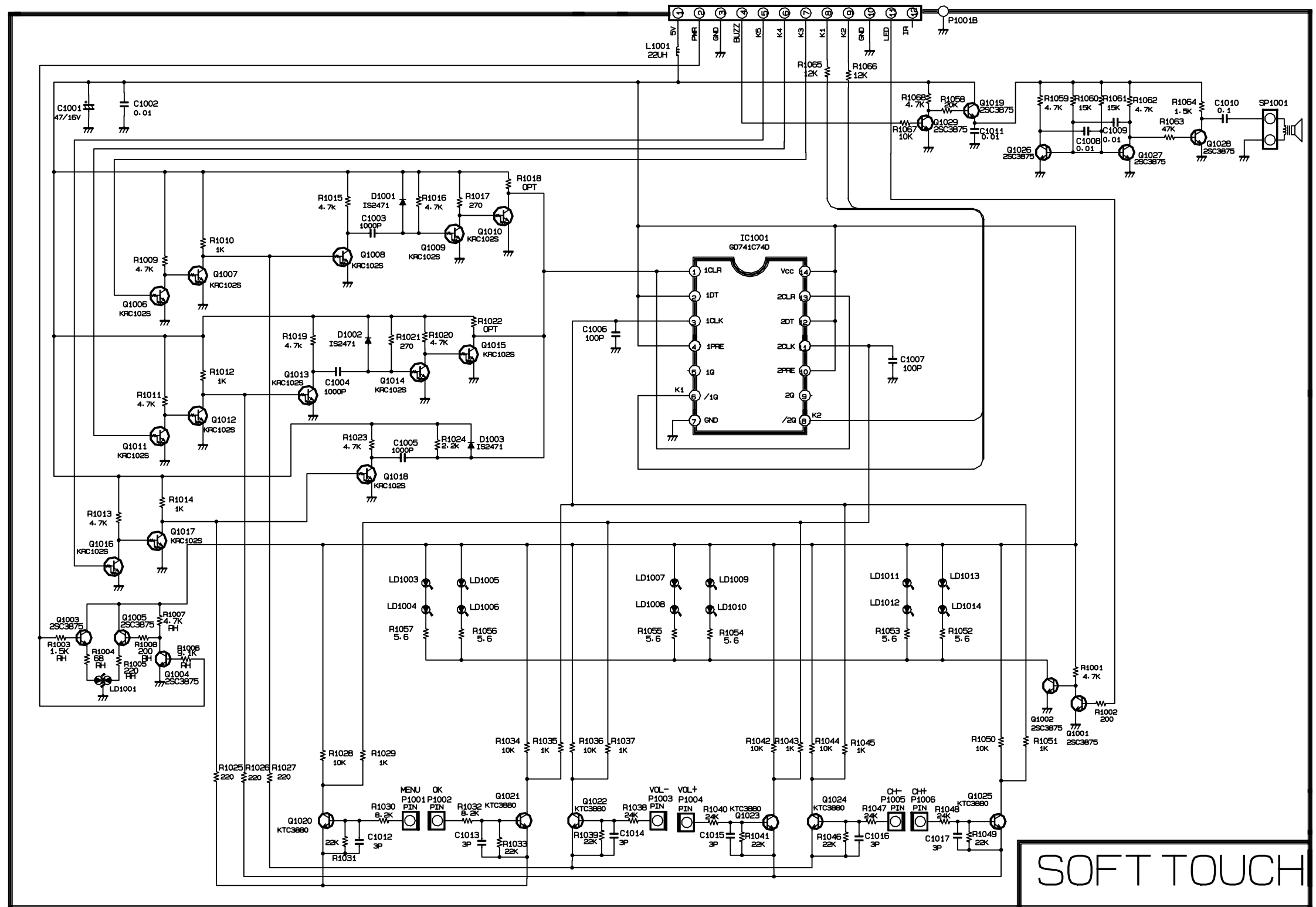
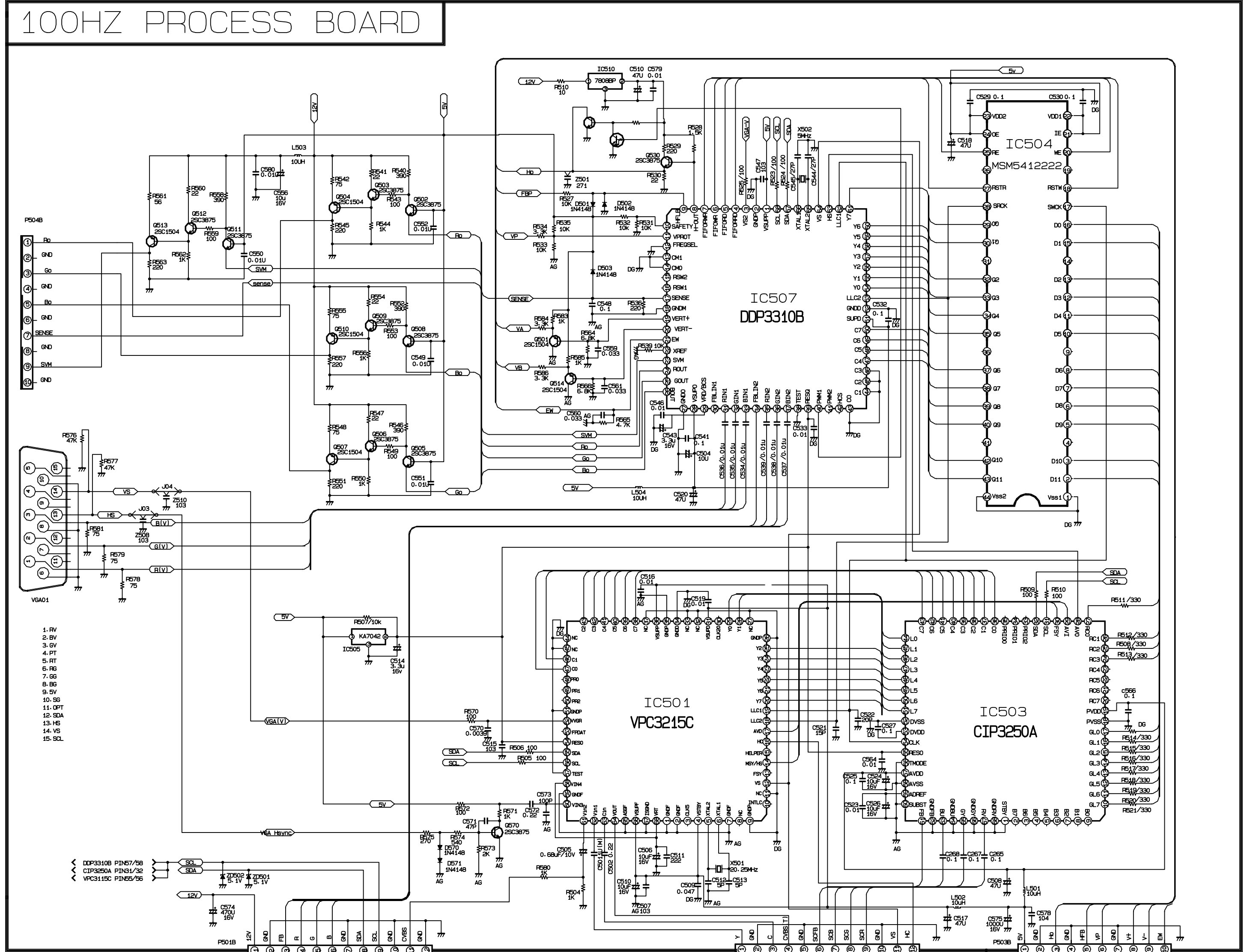
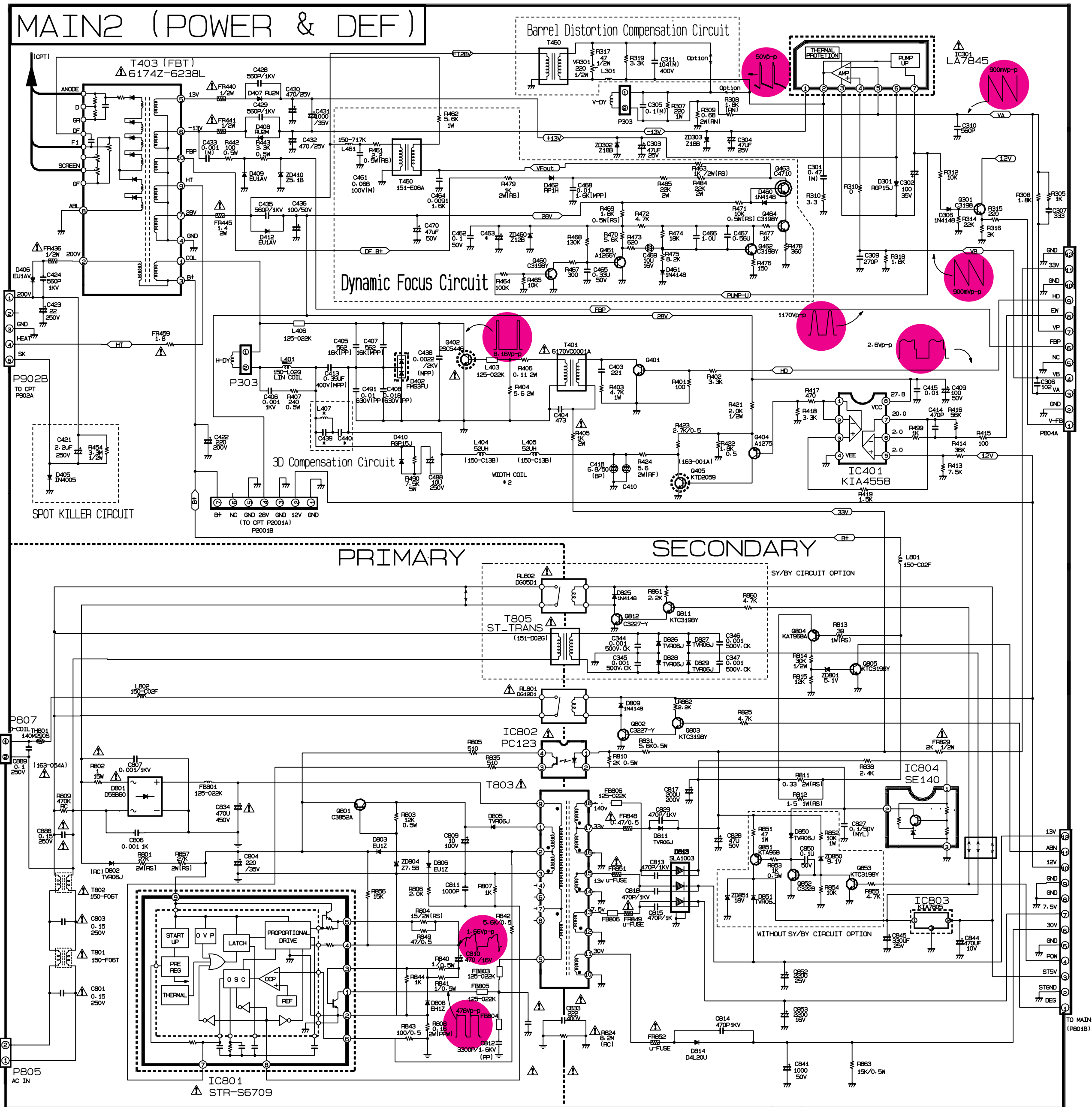
Service Sheet of MC-993A

P/N : 3854VA0061A-S2(1/2)

Date : 1999.7.23

CIRCUIT DIAGRAM FOR MC993A CHASSIS MAIN2 & SUB ASSY

98 11 03 Y S PARK



NOTICE

Since this a basic circuit diagram.
The value of components and some partial connection
are subject to change for improvement.

The components marked conform to VDE or IEC guide-lines and are essential for safe operation of the set, while those marked are required for correct operation. Use specified parts only when replacing.

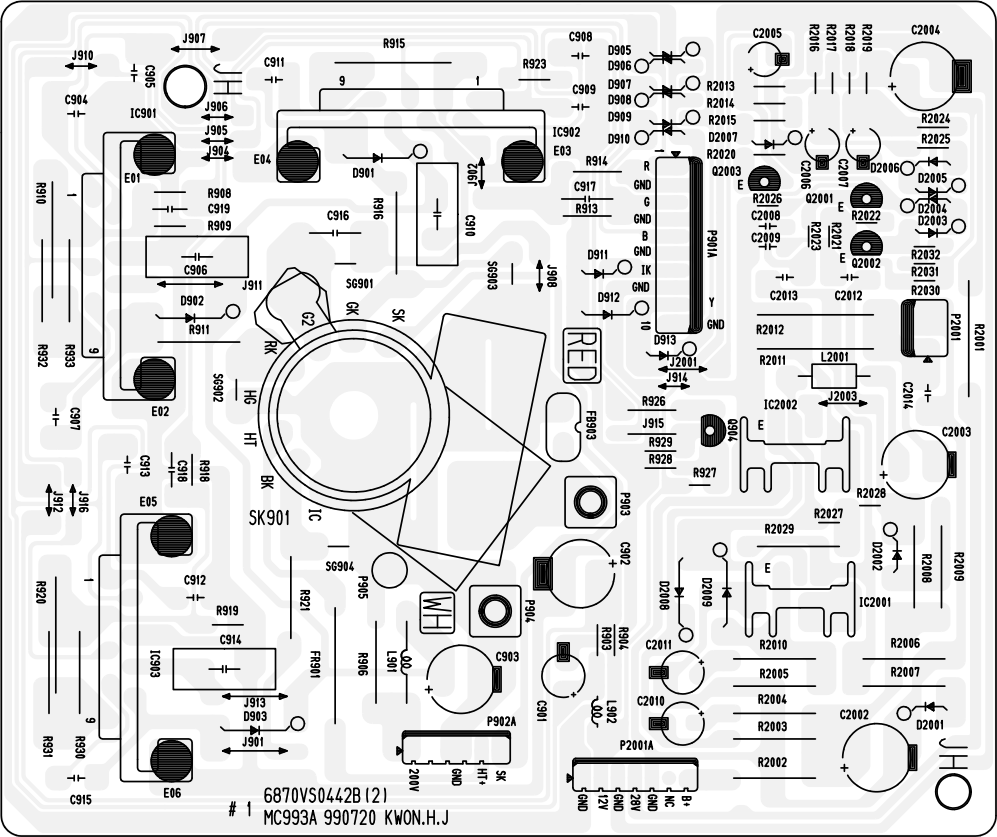
Value of resistor, capacitor and indu

1. Resistances are shown in ohm. K=1,000. M=1,000,000.
2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in uF and the values are then 1 in pF.
The sign of (M) in schematic means MYLAR CAPACITOR.
3. Unless otherwise noted in schematic, all inductor values less than 1 are expressed in uH.

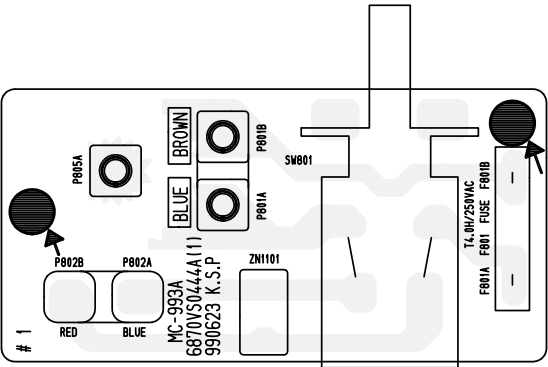
Observation of voltage and waveforms

1. Voltages with VTVM from point shown to chassis ground. Line voltage is 200 - 260 volts
Signal pattern is color-bar.
2. The schematic shown is representative only.
3. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
4. Check Fine tuning, AGC, Brightness, Contrast and Colour for best picture. Make sure that Colour, Brightness are in mid position and Contrast is in 75%.

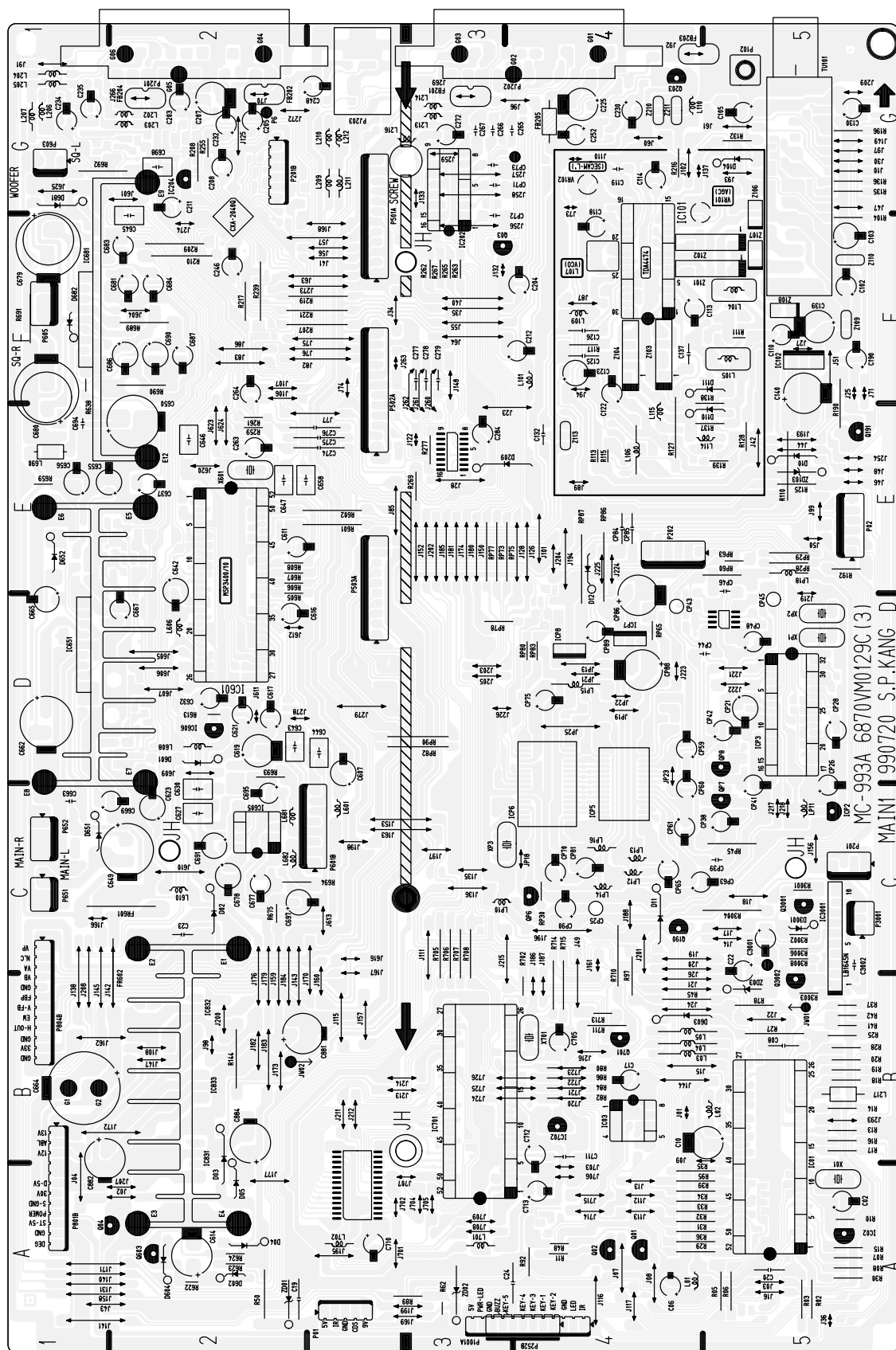
CPT



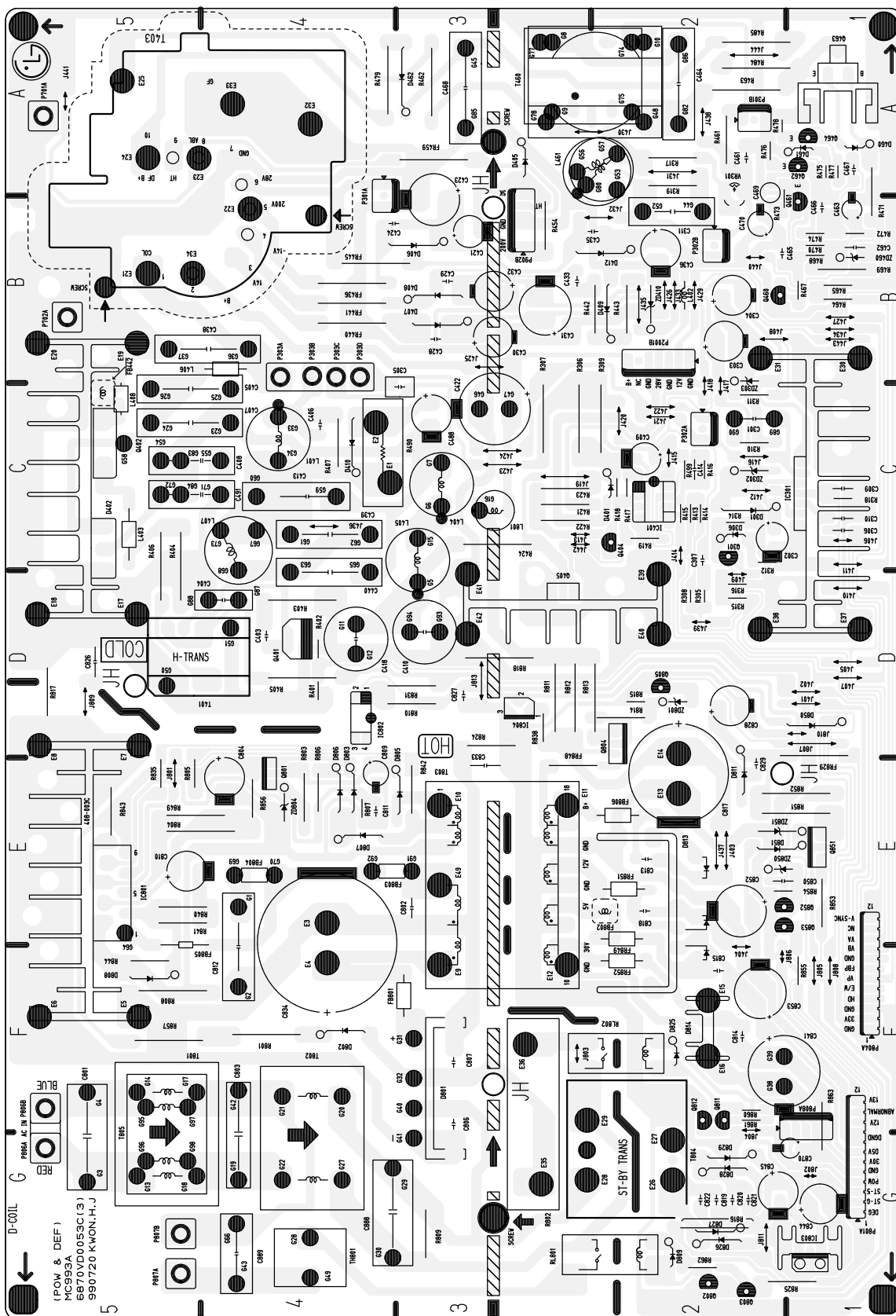
CONTROL POWER



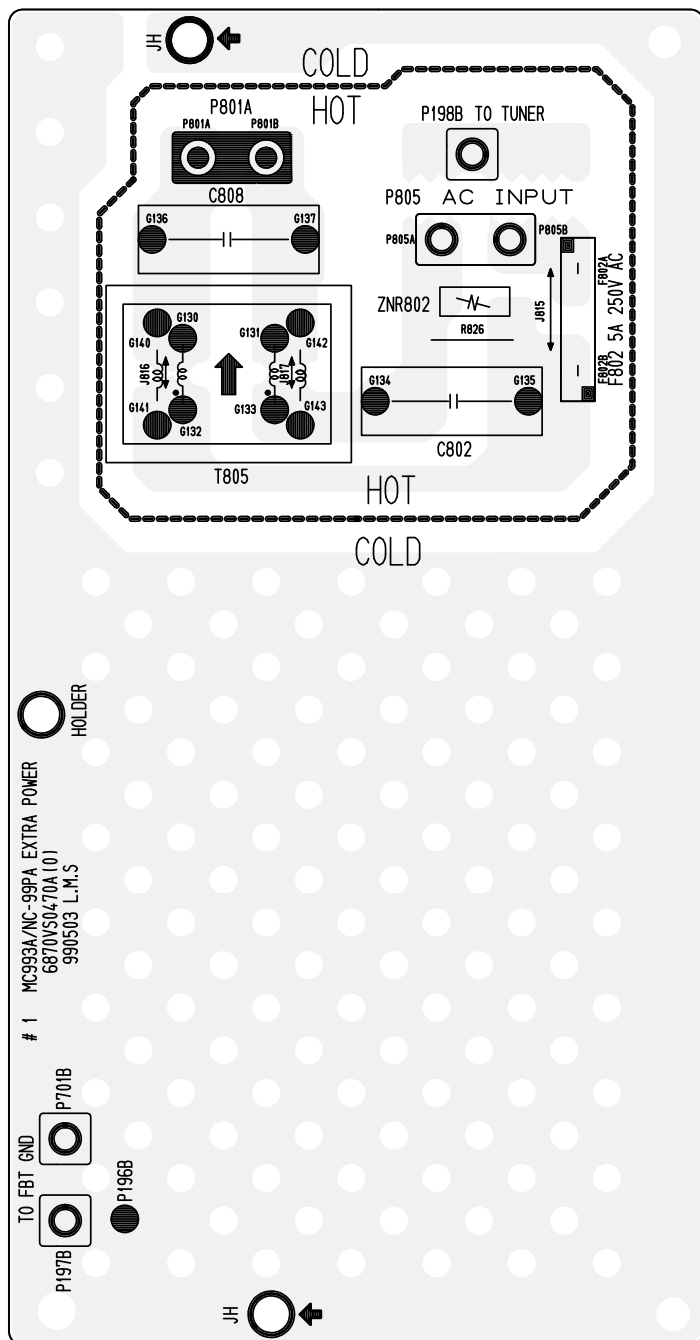
MAIN



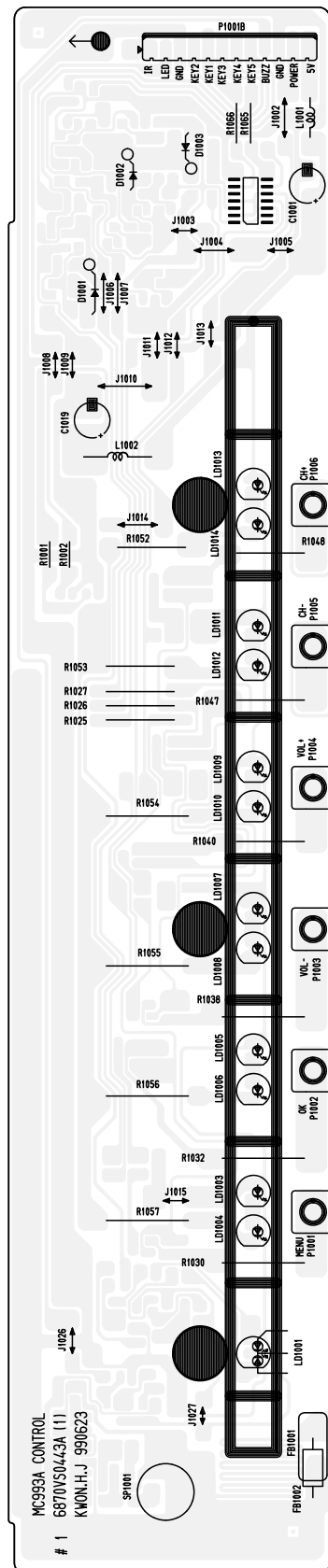
MAIN 2



SIDE BOARD



SOFT TOUCH



The components identified by mark Δ are critical for safety.
Replace only with part number specified.

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC					
D813	0ISK100300A	IC,SLA1003 SIP12 BK DIODE MODULE(	D102	0DD226239AA	DIODE,SWITCHING KDS226
IC01	0ISO899332A	IC,LG8993-32A(CXP750097-110S)	D104	0DD414809ED	DIODE,1N4148 TA
ICP2	0IKE780800B	IC,KIA78L08BP(TA) TO-92 8V,150MA	D301	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM)
IC02	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V	D306	0DD414809ED	DIODE,1N4148 TA
ICP3	0IPH916030A	IC,TDA9160A/N3 32SD P/N/S DECODER	D401	0DD414809ED	DIODE,1N4148 TA
IC03	0ISG241600A	IC,ST24C16 8D EEPROM(16K)	D402	0DD300000AD	DIODE,FMS-3FU
ICP4	0ISM918900A	IC,SDA9189X 32SOP PIP(QUARTER)	D405	0DD400509AA	DIODE,RECTIFIER 1N4005
ICP5	0ISM918730A	IC,SDA9187/3X 28P SOP BK PIP A/D	D406	0DD100009AU	DIODE,RECTIFIER EU1AV(1) TP
ICP6	0IET221000B	IC,EL2210CS 8P SOP ST VIDEO AMP	D406	0DD200009AF	DIODE,RECTIFIER RU2M V(1) TP
ICP7	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A	D407	0DD200009AF	DIODE,RECTIFIER RU2M V(1) TP
ICP8	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A	D408	0DD200009AF	DIODE,RECTIFIER RU2M V(1) TP
IC101	0ITF447400A	IC,TDA4474(VIF)	D409	0DD100009AU	DIODE,RECTIFIER EU1AV(1) TP
IC102	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A	D410	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM)
IC201	0ISO204000A	IC,CXA2040AQ 32P,QFP BK IIC BUS V	D412	0DD200009AF	DIODE,RECTIFIER RU2M V(1) TP
IC203	0IPH860100B	IC,TDA8601T 16P-SOP BK FAST BLANK	D460	0DD414809ED	DIODE,1N4148 TA
IC204	0IKE780900H	IC,KIA78L09BP(AT) 3P 9V,150MA	D461	0DD414809ED	DIODE,1N4148 TA
Δ IC301	0ISA784500A	IC,LA7845 7SIP V/OUT(1.5A)	D462	0DD100009AQ	DIODE,RP1HV(1) TP
IC401	0IKE455800E	IC,KIA4558 8DIP	D501	0DD414809ED	DIODE,1N4148 TA
IC501	0IIT321560A	IC,VPC3215C-PT-B6 68P,PLCC BK COM	D502	0DD414809ED	DIODE,1N4148 TA
IC503	0IIT325010A	IC,CIP3250A-PS-B1 68P,PLCC BK INT	D503	0DD414809ED	DIODE,1N4148 TA
IC504	0IOK541222A	IC,MSM5412222-30TS-K 44P,TSOP TP	D570	0DD414809ED	DIODE,1N4148 TA
IC505	0ISS754200A	IC,KA7542Z RESET TO92 TP 4.2V	D571	0DD414809ED	DIODE,1N4148 TA
IC507	0IIT331020A	IC,DDP3310B-PT-C2 68P,PLCC BK DIS	D602	0DD414809ED	DIODE,1N4148 TA
IC510	0IKE780800B	IC,KIA78L08BP(TA) TO-92 8V,150MA	D603	0DD414809ED	DIODE,1N4148 TA
IC601	0IIT341000H	IC,MSP3410D 52P,SDIP BK B4-VERSIO	D604	0DD414809ED	DIODE,1N4148 TA
IC605	0ISG282200A	IC,TDA2822M 8D DUAL AUDIO AMP(1W)	D651	0DD414809ED	DIODE,1N4148 TA
IC606	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V	D652	0DD414809ED	DIODE,1N4148 TA
IC651	0IPH261600A	IC,TDA2616 STEREO AMP(20+20W)	D681	0DD414809ED	DIODE,1N4148 TA
IC701	0IIT305200A	IC,TPU3052 52P SDIP BK TELETXT P	D682	0DD414809ED	DIODE,1N4148 TA
IC681	0IPH261600A	IC,TDA2616 STEREO AMP(20+20W)	D683	0DD181009AB	DIODE,SWITCHING KDS181 85V 300MA
IC702	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V	Δ D801	0DD560000AA	DIODE,RECTIFIER D5SB60 BRIDGE(5A/600V)
IC703	0ISS622567D	IC,KM62256DLG-7L 28P,SOP TP 256K	D802	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP
Δ IC801	0ISK670900A	IC,STR/S6709 9S SMPS-CNTR	D803	0DD100009AM	DIODE,RECTIFIER EU1ZV(1) TP
IC802	0ISH123200B	IC,PC123 FY2PHOTO COUPLER	D805	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS TP
IC803	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A	D806	0DD100009AM	DIODE,RECTIFIER EU1ZV(1) TP
IC804	0ISK130000A	IC,SE130N 3P 130V ERROR AMP	D807	0DD100009AM	DIODE,RECTIFIER EU1ZV(1) TP
IC831	0ISH052100A	IC,PQ05RF21 4P(TO-220) 5V S/W REG	D808	0DD100009AL	DIODE,EH-1ZV(1) TP
IC832	0ISH122100A	IC,PQ12RF21 4P(TO-220) 12V S/W RE	D809	0DD414809ED	DIODE,1N4148 TA
IC833	0IKE780800A	IC,KIA7808PI 3P(TO-220IS) 1A,8V	D811	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
IC901	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP	D814	0DD420000BB	DIODE,D4L20U SHINDENGEN
IC902	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP	D850	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
IC903	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP	D851	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
IC1001	0ISG747410A	IC,M74HC74M1R 14P,SOP TP DUAL DTY	D901	0DD400509AA	DIODE,RECTIFIER 1N4005
IC3001	0ISA164500B	IC,LB1645N 10SIP BK MOTOR DRIVE	D902	0DD400509AA	DIODE,RECTIFIER 1N4005
DIODE			D903	0DD400509AA	DIODE,RECTIFIER 1N4005
D02	0DD414809ED	DIODE,1N4148 TA	D905	0DD414809ED	DIODE,1N4148 TA
D10	0DD414809ED	DIODE,1N4148 TA	D906	0DD414809ED	DIODE,1N4148 TA
D11	0DD414809ED	DIODE,1N4148 TA	D907	0DD414809ED	DIODE,1N4148 TA
D12	0DD414809ED	DIODE,1N4148 TA	D908	0DD414809ED	DIODE,1N4148 TA
D101	0DD226239AA	DIODE,SWITCHING KDS226	D909	0DD414809ED	DIODE,1N4148 TA
			D910	0DD414809ED	DIODE,1N4148 TA
			D911	0DD414809ED	DIODE,1N4148 TA
			D912	0DD414809ED	DIODE,1N4148 TA

The components identified by mark Δ are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
D913	0DD414809ED	DIODE,1N4148 TA
D1001	0DD247109AA	DIODE,DETECTOR 1S2471
D1002	0DD247109AA	DIODE,DETECTOR 1S2471
D1003	0DD247109AA	DIODE,DETECTOR 1S2471
D2001	0DD414809ED	DIODE,1N4148 TA
D2002	0DD414809ED	DIODE,1N4148 TA
D2004	0DD414809ED	DIODE,1N4148 TA
D2005	0DD414809ED	DIODE,1N4148 TA
D2006	0DD414809ED	DIODE,1N4148 TA
D2007	0DD414809ED	DIODE,1N4148 TA
D2008	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM)
D2009	0DD150009CA	DIODE,RECTIFIER RGP15J,TP(52MM)
D3001	0DD414809ED	DIODE,1N4148 TA
LD1001	0DL200000CA	LED,DL-2LRG RED GREEN
LD1003	0DL112100AB	LED,DL-11S2GN1
LD1004	0DL112100AB	LED,DL-11S2GN1
LD1005	0DL112100AB	LED,DL-11S2GN1
LD1006	0DL112100AB	LED,DL-11S2GN1
LD1007	0DL112100AB	LED,DL-11S2GN1
LD1008	0DL112100AB	LED,DL-11S2GN1
LD1009	0DL112100AB	LED,DL-11S2GN1
LD1010	0DL112100AB	LED,DL-11S2GN1
LD1011	0DL112100AB	LED,DL-11S2GN1
LD1012	0DL112100AB	LED,DL-11S2GN1
LD1013	0DL112100AB	LED,DL-11S2GN1
LD1014	0DL112100AB	LED,KDL-11S2GN1
ZD01	0DZ910009BA	DIODE,ZENER MTZ9.1B,TP(52MM),ROHM
ZD02	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM),ROHM
ZD103	0DZ330009BA	DIODE,ZENER HZT33(TP) HITACHI
ZD302	0DZ180009AA	DIODE,ZENER MTZ18B,TP(52MM),ROHM
ZD303	0DZ180009AA	DIODE,ZENER MTZ18B,TP(52MM),ROHM
ZD410	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM),ROHM
ZD460	0DZ120009AA	DIODE,ZENER MTZ12B 12V 10MA 0.5W TP ROHM
ZD501	0DZ750009AA	DIODE,ZENER MTZ7.5B,TP(52MM),ROHM
ZD502	0DZ750009AA	DIODE,ZENER MTZ7.5B,TP(52MM),ROHM
ZD801	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM),ROHM
ZD804	0DZ750009AA	DIODE,ZENER MTZ7.5B,TP(52MM),ROHM
ZD850	0DZ910009BA	DIODE,ZENER MTZ9.1B,TP(52MM),ROHM
ZD1201	0DZ620009AA	DIODE,ZENER MTZ6.2B,TP(52MM),ROHM
ZD1202	0DZ620009AA	DIODE,ZENER MTZ6.2B,TP(52MM),ROHM
ZD1203	0DZ620009AA	DIODE,ZENER MTZ6.2B,TP(52MM),ROHM
ZD1204	0DZ620009AA	DIODE,ZENER MTZ6.2B,TP(52MM),ROHM
TRANSISTOR		
IC2001	0TR437000BA	TR,KTC4370A-Y
IC2002	0TR165900AC	TR,KTA1659A-Y TO-220IS KEC
Q01	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q02	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
Q04	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q10	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q11	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q102	0TR388109AA	TR,KTC3881 CHIP KEC

LOCA. NO	PART NO	DESCRIPTION
Q103	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q106	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q108	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q151	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q201	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q202	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q203	0TR126609AA	TR,KTA1266-Y (KTA1015) TP KEC
Q204	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q205	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q207	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q208	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q209	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q231	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q301	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q353	0TR471000AA	TR,2SC4710 SANYO OTOROLA IBA
Q401	0TF200000AA	TR,IRFIBC20G BK
Δ Q402	0TR544600AA	TR,2SC5446(AS) BK TOSHIBA TO3P 17
Q404	0TR127509AC	TR,KTA1275-Y TP(KTA1013),KEC
Q405	0TR205900AA	TR,KTD2059-O,TO-220IS,100V,5A,KEC
Q460	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q461	0TR126609AA	TR,KTA1266-Y (KTA1015) TP KEC
Q462	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q463	0TR471000AA	TR,2SC4710
Q464	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q501	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q502	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q503	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q504	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q505	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q506	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q507	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q508	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q509	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q510	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q511	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q512	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q513	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q514	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q530	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q570	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q603	0TR126609AA	TR,KTA1266-Y (KTA1015) TP KEC
Q641	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q642	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q651	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q660	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q661	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q681	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q701	0TR126609AA	TR,KTA1266-Y (KTA1015) TP KEC
Q801	0TR385200AA	TR,2SC3852A SANKEN
Q802	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC
Q803	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q804	0TR968000AA	TR,KTA968A-Y KEC

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
--	---	--

LOCA. NO	PART NO	DESCRIPTION
Q805	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q851	0TR968000AA	TR,KTA968A-Y KEC
Q852	0TR322800AB	TR,KTC3228-Y(KTC2383),KEC
Q853	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q904	0TR126609AA	TR,KTA1266-Y (KTA1015) TP KEC
Q910	0TR437000BA	TR,KTC4370A-Y TO-220IS KEC
Q1001	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1002	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1003	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1004	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1005	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1006	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1007	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1008	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1009	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1010	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1011	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1012	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1013	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1014	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1015	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1016	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1017	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1018	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q1019	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1020	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
Q1021	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
Q1022	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
Q1023	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
Q1024	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
Q1025	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
Q1026	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1027	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1028	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q1029	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q2001	0TR126609AA	TR,KTA1266-Y (KTA1015) TP KEC
Q2002	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q2003	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q3001	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q3002	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
QP6	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
QP7	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
QP8	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
QP9	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
CAPACITOR		
C02	0CE335DK618	3.3000UF STD 50V M
C06	0CE476DD618	47UF STD 10V M
C08	0CN1030F679	10000P 16V M
C10	0CE227DD618	220UF STD 10V M
C17	0CE476DF618	47UF STD 16V M
C19	0CN1030F679	10000P 16V M

LOCA. NO	PART NO	DESCRIPTION
C20	0CN1010K519	100P 50V K
C24	0CN8200K519	82P 50V K
C102	0CE106DK618	10UF STD 50V M
C103	0CE476DD618	47UF STD 10V M
C105	0CE225DK618	2.2000UF STD 50V M
C110	0CE476DF618	47UF STD 16V M
C113	0CE106DF618	10UF STD 16V M
C118	0CE225DK618	2.2000UF STD 50V M
C119	0CQ4742K439	0.4700UF S 50V J
C122	0CE226DF618	22UF STD 16V M
C123	0CE474DK618	0.4700UF STD 50V M
C126	0CX4700K409	47P 50V J
C130	0CE225DK618	2.2UF STD 50V M
C132	0CX4700K409	47P 50V J
C137	0CN1030F679	10000P 16V M
C139	0CE227DF618	220UF STD 16V M
C140	0CE477DF618	470UF STD 16V M
C203	0CE106DF618	10UF STD 16V M
C204	0CE225DK618	2.2000UF STD 50V M
C205	0CE225DK618	2.2000UF STD 50V M
C207	0CE227DF618	220UF STD 16V M
C208	0CE336DF618	33UF STD 16V M
C211	0CE336DF618	33UF STD 16V M
C212	0CE225DK618	2.2000UF STD 50V M
C225	0CE227DF618	220UF STD 16V M
C230	0CE106DF618	10UF STD 16V M
C232	0CE225DK618	2.2000UF STD 50V M
C234	0CE226DK618	22UF STD 50V M
C235	0CE226DK618	22UF STD 50V M
C246	0CE104DK618	0.1000UF STD 50V M
C248	0CE225DK618	2.2000UF STD 50V M
C252	0CE106DF618	10UF STD 16V M
C263	0CE226DF618	22UF STD 16V M
C264	0CE226DF618	22UF STD 16V M
C274	0CN4730K949	0.047M 50V Z
C275	0CN4730K949	0.047M 50V Z
C276	0CN4730K949	0.047M 50V Z
C277	0CN4730K949	0.047M 50V Z
C278	0CN4730K949	0.047M 50V Z
C279	0CN4730K949	0.047M 50V Z
C284	0CE476DF618	47UF STD 16V M
C301	0CQ4741N501	0.47U 100V K
C302	0CE107DJ618	100UF STD 35V M
C303	0CE477DH618	470UF STD 25V M
C304	0CE477DH618	470UF STD 25V M
C305	0CQ1041N509	0.1U 100V K
C306	0CN1020K519	1000P 50V K
C307	0CQ3331N509	0.033U 100V K
C309	0CN2710K519	270P 50V K
C310	0CN5610K519	560P 50V K
C403	0CK2210W515	220P 500V K
C404	181-009V	PP 200V 0.047UF K

For Capacitor & Resistors,
the characters at 2nd and 3rd
digit in the P/No. means as
follows;

CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

The components identified by mark Δ are
critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
C405	181-014C	MPP 1600V 0.0056UF J
C406	0CK10201515	1000P 1KV K B TS
C407	181-014B	MPP 1600V 0.0047UF J
C408	181-010K	PP 630V 0.01UF J
C409	0CE107DK618	100UF STD 50V M
C410	0CE6851K652	6.8UF SM 50V
C414	0CN4710K519	470P 50V K
C418	0CE6851K652	6.8UF SM 50V
C421	0CE225DR618	2.2000UF STD 250V M
C422	0CE2276Q650	220UF SMS 200V M
C423	0CE2266R630	22U SMS 250V M FM5
C424	0CK56101515	560P 1KV K
C428	0CK56101515	560P 1KV K
C429	0CK56101515	560P 1KV K
C430	0CE477DH618	470UF STD 25V M
C431	0CE108DJ618	1000UF STD 35V M
C432	0CE477DH618	470UF STD 25V M
C433	0CQ1021N509	0.001U 100V K
C435	0CK56101515	560P 1KV K B TS
C436	0CE107DK618	100UF STD 50V M
C438	0CB10212474	1000PF D 2KV J
C440	181-013P	400V 0.33UF J
C461	0CQ6831N509	0.068U 100V K
C462	0CN1040K949	0.1M 50V Z
C463	0CE476DF618	47UF STD 16V M
C464	181-015K	1600V 0.0091UF H
C465	0CQ3342K439	0.3300UF S 50V J
C466	0CQ1052K439	1UF S 50V J
C467	181-007J	ECQ-V1H564JZ3(TR),50V 0.5
C468	181-014N	1600V 0.01UF J
C469	181-064P	CE BP 16V 10 MFTR
C470	0CE476DK618	47UF STD 50V M
C488	0CE106DR618	10UF STD 250V M
C491	181-010K	PP 630V 0.01UF J
C501	0CQ1052K439	1UF S 50V J
C504	0CE476DF618	47UF STD 16V M
C505	0CE684DK618	0.6800UF STD 50V M
C506	0CE106DF618	10UF STD 16V M
C508	0CE476DF618	47UF STD 16V M
C510	0CE336DF618	33UF STD 16V M
C514	0CE335DK618	3.3000UF STD 50V M
C517	0CE476DF618	47UF STD 16V M
C518	0CE476DF618	47UF STD 16V M
C520	0CE476DF618	47UF STD 16V M
C524	0CE106DF618	10UF STD 16V M
C526	0CE106DF618	10UF STD 16V M
C542	0CE106DF618	10UF STD 16V M
C543	0CE335DK618	3.3000UF STD 50V M
C556	0CE106DF618	10UF STD 16V M
C574	0CE477DF618	470UF STD 16V M
C575	0CE108DD618	1000UF STD 10V M
C607	0CE476DF618	47UF STD 16V M

LOCA. NO	PART NO	DESCRIPTION
C611	0CE106DF618	10UF STD 16V M
C614	0CE227DF618	220UF STD 16V M
C616	0CE106DF618	10UF STD 16V M
C617	0CE106DF618	10UF STD 16V M
C619	0CE107DH618	100UF STD 25V M
C621	0CE106DF618	10UF STD 16V M
C623	0CE476DF618	47UF STD 16V M
C627	0CQ4742K439	0.4700UF S 50V J
C630	0CQ4742K439	0.4700UF S 50V J
C632	0CE335DK618	3.3000UF STD 50V M
C637	0CQ6831N509	0.068U 100V K
C642	0CE107DF618	100UF STD 16V M
C643	0CQ3342K439	0.3300UF S 50V J
C644	0CQ3342K439	0.3300UF S 50V J
C645	0CQ3342K439	0.3300UF S 50V J
C646	0CQ3342K439	0.3300UF S 50V J
C647	0CQ3342K439	0.3300UF S 50V J
C649	0CE108DJ618	1000UF STD 35V M
C650	0CE477DK618	470UF STD 50V M
C655	0CE474DK618	0.4700UF STD 50V M
C656	0CE106DF618	10UF STD 16V M
C658	0CQ3342K439	0.3300UF S 50V J
C662	0CE108DJ618	1000UF STD 35V M
C663	0CQ1042K439	0.1000UF S 50V J
C664	0CE108DK650	1000UF STD 50V M
C665	0CE107DH618	100UF STD 25V M
C667	0CE225DK618	2.2000UF STD 50V M
C669	0CE225DK618	2.2000UF STD 50V M
C677	0CE107DF618	100UF STD 16V M
C678	0CE107DF618	100UF STD 16V M
C679	0CE227DJ618	220UF STD 35V M
C680	0CE227DJ618	220UF STD 35V M
C681	0CQ6831N509	0.068U 100V K
C683	0CE105DK618	1UF STD 50V M
C684	0CE474DK618	0.4700UF STD 50V M
C686	0CE476DK618	47UF STD 50V M
C691	0CE107DF618	100UF STD 16V M
C694	0CQ1042K439	0.1000UF S 50V J
C695	0CE107DF618	100UF STD 16V M
C697	0CE107DF618	100UF STD 16V M
C705	0CE335DK618	3.3000UF STD 50V M
C710	0CE106DF618	10UF STD 16V M
C711	0CN1040K949	0.1M 50V Z
C712	0CE476DF618	47UF STD 16V M
C713	0CE106DF618	10UF STD 16V M
Δ C801	0CQZVBK002B	A.C 275V 0.15UF K
C802	181-091K	R 561K 2KV TP7.5
Δ C803	0CQZVBK002B	A.C 275V 0.15UF K
C804	0CE227DJ618	220UF STD 35V M
C806	181-091D	R 102K 1KV
C807	181-091D	R 102K 1KV
C808	0CE227DJ618	220UF STD 35V M

The components identified by mark Δ are critical for safety.
Replace only with part number specified.

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;
CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C809	0CE106DN618	10UF STD 100V M
C810	0CE477BH618	470UF KME 25V M
C811	0CK1020K515	1000PF 50V K
C812	181-014Z	1.6KV 0.0033UF J
C813	181-091C	R 471K 1KV TP5
C814	181-091C	R 471K 1KV TP5
C815	181-091C	R 471K 1KV TP5
C817	181-001A	CE 200V 470UF M
Δ C818	181-091C	R 471K 1KV TP5
C827	0CQ1041N509	0.1U 100V K
C828	0CE476DN618	47UF STD 100V M
C829	181-091C	R 471K 1KV TP5
Δ C833	181-120K	ACT 4KV E 222M TP10
Δ C834	181-001U	CE 450V 470UF M
C841	0CE228DK650	2200UF STD 50V M
C844	0CE477DD618	470UF STD 10V M
C845	0CE337DH618	330UF STD 25V M
C850	0CN1040K949	0.1M 50V Z
C852	0CE108DF618	1000UF STD 16V M
C853	0CE108DF618	1000UF STD 16V M
C881	0CE477DF618	470UF STD 16V M
C882	0CE477DF618	470UF STD 16V M
C884	0CE477DH618	470UF STD 25V M
Δ C888	0CQZVBK002B	A.C 275V 0.15UF K
Δ C889	0CQZVBK002A	A.C 275V 0.1UF M
C901	0CE107DF618	100UF STD 16V M
C902	0CE477DF618	470UF STD 16V M
C903	0CE225DR618	2.2000UF STD 250V M
C904	0CQ1041N509	0.1U 100V K
C905	0CQ1041N509	0.1U 100V K
C906	181-005J	PE 400V 0.033UF K
C907	181-091C	R 471K 1KV TP5
C908	0CQ1041N509	0.1U 100V K
C909	0CQ1041N509	0.1U 100V K
C910	181-005J	400V 0.033UF K
C911	181-091C	R 471K 1KV TP5
C912	0CQ1041N509	0.1U 100V K
C913	0CQ1041N509	0.1U 100V K
C914	181-005J	400V 0.033UF K
C915	181-091C	R 471K 1KV TP5
C916	0CK22202515	2200PF 2KV K
C917	0CX3R90K509	3.9P 50V K
C918	0CX3R90K509	3.9P 50V K
C919	0CX3R90K509	3.9P 50V K
C1001	0CE476DF618	47UF STD 16V M
C1019	0CE476DF618	47UF STD 16V M
C1201	0CN2210K519	220P 50V K
C1202	0CN2210K519	220P 50V K
C1203	0CN2210K519	220P 50V K
C1204	0CN1040K949	0.1M 50V Z
C1205	0CN2210K519	220P 50V K
C1206	0CN4710K519	470P 50V K

LOCA. NO	PART NO	DESCRIPTION
C1207	0CN4710K519	470P 50V K
C1208	0CN2210K519	220P 50V K
C1209	0CE475DK618	4.7000UF STD 50V M
C1210	0CE475DK618	4.7000UF STD 50V M
C1211	0CN2210K519	220P 50V K
C2002	0CE106DP618	10UF STD 160V M
C2003	0CE106DP618	10UF STD 160V M
C2004	0CE107DK618	100UF STD 50V M
C2005	0CE106DH618	10UF STD 25V M
C2006	0CE106DH618	10UF STD 25V M
C2007	0CE106DH618	10UF STD 25V M
C2008	0CK1010K515	100PF 50V K
C2009	0CK1010K515	100PF 50V K
C2010	0CE107DF618	100UF STD 16V M
C2011	0CE107DF618	100UF STD 16V M
C2012	0CK4720W510	4700P 500V K
C2013	0CK4720W510	4700P 500V K
C2014	0CK1010W515	100P 500V K
C3001	0CE475DK618	4.7000UF STD 50V M
C3002	0CQ1032K439	0.0100UF S 50V J
CP21	0CE107DF618	100UF STD 16V M
CP25	0CE1051K636	1UF SM 50V M
CP26	0CE476DF618	47UF STD 16V M
CP28	0CE684DK618	0.6800UF STD 50V M
CP38	0CE476DF618	47UF STD 16V M
CP39	0CQ1042K439	0.1000UF S 50V J
CP41	0CE106DF618	10UF STD 16V M
CP42	0CE476DF618	47UF STD 16V M
CP43	0CE1051K636	1UF SM 50V M
CP44	0CQ1042K439	0.1000UF S 50V J
CP45	0CE1051K636	1UF SM 50V M
CP46	0CQ1042K439	0.1000UF S 50V J
CP48	0CE476DF618	47UF STD 16V M
CP59	0CE105DK618	1UF STD 50V M
CP60	0CE105DK618	1UF STD 50V M
CP61	0CE105DK618	1UF STD 50V M
CP63	0CE476DF618	47UF STD 16V M
CP65	0CE476DF618	47UF STD 16V M
CP70	0CE476DF618	47UF STD 16V M
CP71	0CQ1042K439	0.1000UF S 50V J
CP72	0CQ1042K439	0.1000UF S 50V J
CP73	0CQ1042K439	0.1000UF S 50V J
CP75	0CE105DK618	1UF STD 50V M
CP81	0CE105DK618	1UF STD 50V M
CP84	0CX4700K409	47P 50V J
CP85	0CX4700K409	47P 50V J
CP86	0CE477DF618	470UF STD 16V M
CP88	0CE476DF618	47UF STD 16V M
CP89	0CE476DF618	47UF STD 16V M
CP90	0CE476DF618	47UF STD 16V M
CORE		
FB205	125-123A	CORE (CIRC),FERRITE BFD3565R2F

For Capacitor & Resistors,
the characters at 2nd and 3rd
digit in the P/No. means as
follows;

CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

The components identified by mark Δ are
critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
FB801	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB802	125-123A	CORE (CIRC),FERRITE BFD3565R2F
FB803	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB804	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB805	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB806	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FB903	125-123A	CORE (CIRC),FERRITE BFD3565R2F
FB1002	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L406	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L690	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L1205	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L2001	125-022K	CORE (CIRC),BEAD FERRITE 1UH
FUSE		
Δ F801	131-098B	FUSE,TIME LAG 400MA 250V
Δ FR849	131-096N	FUSE,NON TIME DELAY 4000MA 125V
Δ FR851	131-096N	FUSE,NON TIME DELAY 4000MA 125V
Δ FR852	131-096N	FUSE,NON TIME DELAY 4000MA 125V
COIL & TRANSFORMER		
L01	0LA0102K119	INDUCTOR,10UH K
L02	0LA0181K119	INDUCTOR,1.8UH K
L101	0LA0102K119	INDUCTOR,10UH K
L104	150-C01G	COIL,CHOKE 1.0UH A
L105	0LA0470K119	INDUCTOR,0.47UH K
L106	0LA0102K119	INDUCTOR,10UH K
L107	150-E11G	COIL,IFT VAR,38.9MHZ(VCO)
L109	0LA0152K119	INDUCTOR,15UH K
L110	0LA0681K119	INDUCTOR,6.8UH K
L204	0LA0102K119	INDUCTOR,10UH K
L205	0LA0102K119	INDUCTOR,10UH K
L206	0LA0102K119	INDUCTOR,10UH K
L207	0LA0102K119	INDUCTOR,10UH K
L209	0LA0102K119	INDUCTOR,10UH K
L210	0LA0102K119	INDUCTOR,10UH K
L211	0LA0102K119	INDUCTOR,10UH K
L212	0LA0102K119	INDUCTOR,10UH K
L213	0LA0102K119	INDUCTOR,10UH K
L214	0LA0102K119	INDUCTOR,10UH K
L401	150-L02Q	COIL,H-LINEARITY 10UH
L404	150-C13B	COIL,CHOKE 52UH R 1824
L405	150-C13B	COIL,CHOKE 52UH R 1824
L461	150-717K	COIL,CHOKE 1.1MH
L501	0LA0102K139	INDUCTOR,10UH K
L502	0LA0102K139	INDUCTOR,10UH K
L503	0LA0102K119	INDUCTOR,10UH K
L504	0LA0102K139	INDUCTOR,10UH K
L601	0LA0102K119	INDUCTOR,10UH K
L606	0LA0102K119	INDUCTOR,10UH K
L608	0LA0102K119	INDUCTOR,10UH K
L610	0LA0102K119	INDUCTOR,10UH K
L681	0LA1000K119	INDUCTOR,100UH K

LOCA. NO	PART NO	DESCRIPTION
L682	0LA1000K119	INDUCTOR,100UH K
L701	0LA0102K119	INDUCTOR,10UH K
L702	0LA0102K119	INDUCTOR,10UH K
L801	150-C02F	COIL,CHOKE 82UH R1217
L901	0LA0102K139	INDUCTOR,10UH K
L902	0LA0102K119	INDUCTOR,10UH K
L1001	0LA0222K119	INDUCTOR,22UH K
L1002	0LA0222K119	INDUCTOR,22UH K
L1201	0LA0472K119	INDUCTOR,47UH K
L1202	0LA0472K119	INDUCTOR,47UH K
L1203	0LA0472K119	INDUCTOR,47UH K
L1204	0LA0472K119	INDUCTOR,47UH K
LP10	0LA0102K119	INDUCTOR,10UH K
LP11	0LA0102K119	INDUCTOR,10UH K
LP12	0LA0102K119	INDUCTOR,10UH K
LP13	0LA0102K119	INDUCTOR,10UH K
LP14	0LA0102K119	INDUCTOR,10UH K
LP15	0LA0102K119	INDUCTOR,10UH K
LP16	0LA0102K119	INDUCTOR,10UH K
LP18	0LA0102K119	INDUCTOR,10UH K
Δ RL801	141-018E	RELAY,DG12D1-0(M)-2 12V44MA
Δ T401	6170VC0002A	TRANSFORMER,HORIZONTAL EER-2619
Δ T403	6174Z-6005S	FBT,FTMPC31 -T6005S
T460	151-E06A	TRANSFORMER,DBF,EER-2834,BULK
T803	6170VMCA01V	TRANSFORMER,SMPS EER5345 450UH
CONNECTOR		
P01	387-A05F	CONNECTOR ASSY,5P (L=350)
P201A	387-B06K	CONNECTOR ASSY,6P SHIELD WIRE (L=600)
P601A	387-B08H	CONNECTOR ASSY,8P SHIELD(450)
P801A	387-812L	CONNECTOR ASSY,YJN250 12P
P804A	387-812L	CONNECTOR ASSY,YJN250 12P
P902A	387-A06F	CONNECTOR ASSY,6P (L=350)
P2001A	387-A07F	CONNECTOR ASSY,7P (L=350)
VGA01	6630VGA001B	CONNECTOR (CIRC),D-SUB 68114-1522
JACK		
JA1	6613V00004A	JACK ASSY,PJ6054A EARPHONE+S-VHS+3P
PJ201	6612VJH011D	JACK,RCA PPJ109D A/V IN/OUT 6
PJ202	6612VJH011C	JACK,RCA PPJ109C A/V IN/OUT 6
PJ203	380-363D	JACK,DIN S-VHS(PJ 6046B-01)H=8.0,W/SW
RESISTOR		
D2003	0RD0102F609	10 1/6W 5
F816	0RS0102K607	10 2W 5%
Δ FR436	180-D02E	CR 2W 1.0 J
Δ FR440	180-D02E	CR 2W 1.0 J
Δ FR441	180-D02E	CR 2W 1.0 J
Δ FR445	180-D02E	CR 2W 1.0 J
Δ FR459	0RS0680K607	0.68 2W 5%
FR601	0RF0470K607	0.47 2W 5% TA62
FR602	0RF0470K607	0.47 2W 5% TA62

The components identified by mark Δ are critical for safety.
Replace only with part number specified.

For Capacitor & Resistors,
the characters at 2nd and 3rd
digit in the P/No. means as
follows;

CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
Δ FR829	0RS6801K607	6.8K 2W 5% TA62
Δ FR848	0RF0470H609	0.47 1/2W 5 TA52
Δ FR901	0RF0331K607	3.30 2W 5% TA62
J03	0RD0101F609	1.0 1/6W 5 TA52
J04	0RD0101F609	1.0 1/6W 5 TA52
J05	0RD0101F609	1.0 1/6W 5 TA52
J06	0RD0101F609	1.0 1/6W 5 TA52
J07	0RD0101F609	1.0 1/6W 5 TA52
J08	0RD0101F609	1.0 1/6W 5 TA52
J09	0RD0101F609	1.0 1/6W 5 TA52
J10	0RD0101F609	1.0 1/6W 5 TA52
J517	0RD0101F609	1.0 1/6W 5 TA52
J518	0RD0101F609	1.0 1/6W 5 TA52
R02	0RD2200F609	220 1/6W 5 TA52
R03	0RD1000F609	100 1/6W 5 TA52
R05	0RD1000F609	100 1/6W 5 TA52
R06	0RD1000F609	100 1/6W 5 TA52
R07	0RD1000F609	100 1/6W 5 TA52
R08	0RD1000F609	100 1/6W 5 TA52
R10	0RD1002F609	10K 1/6W 5 TA52
R11	0RD1602F609	16K 1/6W 5 TA52
R13	0RD1000F609	100 1/6W 5 TA52
R14	0RD6802F609	68K 1/6W 5 TA52
R16	0RD1000F609	100 1/6W 5 TA52
R17	0RD1000F609	100 1/6W 5 TA52
R18	0RD1000F609	100 1/6W 5 TA52
R19	0RD1000F609	100 1/6W 5 TA52
R20	0RD1000F609	100 1/6W 5 TA52
R25	0RD2401F609	2.4K 1/6W 5 TA52
R27	0RD1000F609	100 1/6W 5 TA52
R28	0RD1001F609	1.0K 1/6W 5 TA52
R29	0RD1000F609	100 1/6W 5 TA52
R30	0RD1000F609	100 1/6W 5 TA52
R31	0RD1000F609	100 1/6W 5 TA52
R32	0RD1000F609	100 1/6W 5 TA52
R33	0RD1000F609	100 1/6W 5 TA52
R34	0RD1000F609	100 1/6W 5 TA52
R35	0RD1000F609	100 1/6W 5 TA52
R36	0RD1000F609	100 1/6W 5 TA52
R39	0RD1000F609	100 1/6W 5 TA52
R48	0RD3901F609	3.9K 1/6W 5 TA52
R50	0RD6200F609	620 1/6W 5 TA52
R62	0RD4701F609	4.70K 1/6W 5% TA52
R80	0RD0752F609	75 1/6W 5% TA
R82	0RD0752F609	75 1/6W 5% TA
R84	0RD0752F609	75 1/6W 5% TA
R86	0RD0752F609	75 1/6W 5% TA
R89	0RD1000F609	100 1/6W 5 TA52
R104	0RD8201F609	8.2K 1/6W 5 TA52
R110	0RS0681K607	6.80 2W 5% TA62
R111	0RD3601F609	3.6K 1/6W 5 TA52
R113	0RD1002F609	10K 1/6W 5 TA52

LOCA. NO	PART NO	DESCRIPTION
R115	0RD1002F609	10K 1/6W 5 TA52
R125	0RD1001F609	1.0K 1/6W 5 TA52
R127	0RD1001F609	1.0K 1/6W 5 TA52
R128	0RD0102F609	10 1/6W 5 TA52
R132	0RD1001F609	1.0K 1/6W 5 TA52
R135	0RD1000F609	100 1/6W 5 TA52
R136	0RD1000F609	100 1/6W 5 TA52
R207	0RD2200F609	220 1/6W 5 TA52
R208	0RD2200F609	220 1/6W 5 TA52
R209	0RD2200F609	220 1/6W 5 TA52
R210	0RD2200F609	220 1/6W 5 TA52
R216	0RD1800F609	180 1/6W 5 TA52
R219	0RD1000F609	100 1/6W 5 TA52
R221	0RD2200F609	220 1/6W 5 TA52
R239	0RD3000F609	300 1/6W 5 TA52
R255	0RD2200F609	220 1/6W 5 TA52
R259	0RD0752F609	75 1/6W 5% TA
R261	0RD0752F609	75 1/6W 5% TA
R262	0RD3600F609	360 1/6W 5 TA52
R263	0RD3000F609	300 1/6W 5 TA52
R265	0RD3000F609	300 1/6W 5 TA52
R267	0RD3000F609	300 1/6W 5 TA52
R269	0RD1000F609	100 1/6W 5 TA52
R277	0RD1000F609	100 1/6W 5 TA52
R305	0RD1001F609	1.0K 1/6W 5 TA52
R306	0RF0181K607	1.80 2W 5% TA62
R307	0RS2200J607	220 1W 5% TA62
R308	0RD1801F609	1.8K 1/6W 5 TA52
R309	0RF0181K607	1.80 2W 5% TA62
R310	0RD0331F609	3.3 1/6W 5 TA52
R311	0RD1002F609	10K 1/6W 5 TA52
R312	0RD1002F609	10K 1/6W 5 TA52
R314	0RD2202F609	22K 1/6W 5 TA52
R315	0RD2200F609	220 1/6W 5 TA52
R316	0RD3001F609	3.0K 1/6W 5 TA52
R318	0RD1801F609	1.8K 1/6W 5 TA52
R401	0RD1002F609	10K 1/6W 5 TA52
R403	0RS4701K607	4.70K 2W 5% TA62
R404	0RS0561K607	5.60 2W 5% TA62
Δ R405	0RS1501K607	1.50K 2W 5% TA62
R406	180-A01B	RW ROUND G 2W 0.11 K
R407	0RD2400H609	240 1/2W 5 TA52
R413	0RD7501F609	7.5K 1/6W 5 TA52
R414	0RD3602F609	36K 1/6W 5 TA52
R415	0RD1000F609	100 1/6W 5 TA52
R416	0RN5602F409	56K 1/6W 1% TA52
R417	0RD4700F609	470 1/6W 5 TA52
R418	0RD3301F609	3.3K 1/6W 5 TA52
R419	0RN1501F409	1.5K 1/6W 1 TA52
R421	0RD2001H609	2.0K 1/2W 5 TA52
R422	0RD1801H609	1.8K 1/2W 5 TA52
R423	0RD2701H609	2.7K 1/2W 5 TA52

For Capacitor & Resistors,
the characters at 2nd and 3rd
digit in the P/No. means as
follows;

CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

The components identified by mark Δ are
critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
R424	0RF0561K607	5.60 2W 5% TA62
R442	0RD1000H609	100 OHM 1/2 W 5% TA52
R443	0RD3301H609	3.3K 1/2W 5 TA52
R454	180-C02F	RC 1/2W 2.2M K
R461	0RS0221H609	2.2 1/2W 5 TA52
R462	180-C02M	5.6KOHM 1/2 W 10% TA52
R463	0RS1001K607	1K 2W 5% TA62
R464	0RD1003F609	100K 1/6W 5 TA52
R465	0RD1002F609	10K 1/6W 5 TA52
R467	0RD3000F609	300 1/6W 5 TA52
R468	0RD1303F609	130K 1/6W 5 TA52
R469	0RS1801H609	1.8K 1/2W 5 TA52
R470	0RD5601F609	5.6K 1/6W 5 TA52
R471	0RS1002H609	10K 1/2W 5 TA52
R472	0RD4701F609	4.70K 1/6W 5% TA52
R473	0RD6200F609	620 1/6W 5 TA52
R474	0RD1802F609	18K 1/6W 5 TA52
R475	0RD8201F609	8.2K 1/6W 5 TA52
R476	0RD1500F609	150 1/6W 5 TA52
R477	0RD1001F609	1.0K 1/6W 5 TA52
R478	0RD3600F609	360 1/6W 5 TA52
R479	0RS0472J607	47 1W 5% TA62
R484	0RS2202K607	22K 2W 5% TA62
R485	0RS2202K607	22K 2W 5% TA62
R490	180-B01E	RS RECT S 5W 15K J
R499	0RN1001F409	1K 1/6W 1% TA52
R602	0RD0102F609	10 1/6W 5 TA52
R605	0RD1001F609	1.0K 1/6W 5 TA52
R606	0RD1001F609	1.0K 1/6W 5 TA52
R607	0RD1001F609	1.0K 1/6W 5 TA52
R608	0RD1001F609	1.0K 1/6W 5 TA52
R613	0RD1001F609	1.0K 1/6W 5 TA52
R622	0RD1500F609	150 1/6W 5 TA52
R623	0RD1001F609	1.0K 1/6W 5 TA52
R624	0RD6802F609	68K 1/6W 5 TA52
R638	0RD4701F609	4.70K 1/6W 5% TA52
R659	0RD1002F609	10K 1/6W 5 TA52
R675	0RD0102F609	10 1/6W 5 TA52
R693	0RD0272F609	27 1/6W 5 TA52
R694	0RD0272F609	27 1/6W 5 TA52
R702	0RD1000F609	100 1/6W 5 TA52
R705	0RD0752F609	75 1/6W 5% TA
R706	0RD0752F609	75 1/6W 5% TA
R707	0RD0752F609	75 1/6W 5% TA
R708	0RD0752F609	75 1/6W 5% TA
R710	0RD4700F609	470 1/6W 5 TA52
R711	0RD0752F609	75 1/6W 5% TA
R713	0RD1800F609	180 1/6W 5 TA52
R714	0RD1001F609	1.0K 1/6W 5 TA52
R715	0RD1001F609	1.0K 1/6W 5 TA52
R801	0RS2702K607	27K 2W 5% TA62
Δ R802	180-822M	RWR 15W 1.0 OHM J

LOCA. NO	PART NO	DESCRIPTION
R803	0RD1202H609	12K 1/2W 5 TA52
R804	0RS0102K607	10 2W 5% TA62
R805	0RD5100F609	510 1/6W 5 TA52
R806	0RD2001F609	2.0K 1/6W 5 TA52
R807	0RD1001F609	1.0K 1/6W 5 TA52
R808	180-A01C	RW ROUND G 2W 0.12 J
Δ R809	180-C02B	ERC12UGK475V(UL)RC1/2W 4.7M
R810	0RD2001F609	2.0K 1/6W 5 TA52
R811	0RS0330K607	0.33 2W 5% TA62
R812	0RS0151K607	1.50 2W 5% TA62
R813	0RS0392J607	39 1W 5% TA62
R814	0RD3002H609	30K 1/2W 5 TA52
R815	0RD1202F609	12K 1/6W 5 TA52
R816	0RS0102K607	10 2W 5% TA62
R818	0RS2702K607	27K 2W 5% TA62
Δ R824	180-C02H	RC 1/2W 8.2M K
R825	0RD4701F609	4.70K 1/6W 5% TA52
R831	0RD7501F609	7.5K 1/6W 5 TA52
R835	0RD5100F609	510 1/6W 5 TA52
R838	0RD2001F609	2.0K 1/6W 5 TA52
R840	0RD0680H609	0.68 1/2W 5 TA52
R841	0RD0680H609	0.68 1/2W 5 TA52
R842	0RD4701H609	4.7K 1/2W 5 TA52
R843	0RD1000H609	100 OHM 1/2 W 5% TA52
R844	0RD1001F609	1.0K 1/6W 5 TA52
R851	0RS0332K607	33 2W 5% TA62
R852	0RS1002J607	10K 1W 5% TA62
R853	0RD1001H609	1K OHM 1/2 W 5% TA52
R854	0RD1002F609	10K 1/6W 5 TA52
R855	0RD4701F609	4.70K 1/6W 5% TA52
R856	0RD1502F609	15K 1/6W 5 TA52
R857	0RS2702K607	27K 2W 5% TA62
R862	0RD2201F609	2.2K 1/6W 5 TA52
R863	0RD1502H609	15K 1/2W 5 TA52
R903	0RD1301F609	1.3K 1/6W 5 TA52
R904	0RD7500F609	750 1/6W 5 TA52
R906	0RD2003H609	200K 1/2W 5 TA52
R908	0RD1001F609	1.2K 1/6W 5 TA52
R909	0RD2401F609	2.4K 1/6W 5 TA52
R910	0RS6202J607	62K 1W 5% TA62
R911	0RS4700H609	470 1/2W 5 TA52
R913	0RD1001F609	1K 1/6W 5 TA52
R915	0RS6202J607	62K 1W 5% TA62
R916	0RS4700H609	470 1/2W 5 TA52
R918	0RD1001F609	1K 1/6W 5 TA52
R919	0RD2401F609	2.4K 1/6W 5 TA52
R920	0RS6202J607	62K 1W 5% TA62
R921	0RS4700H609	470 1/2W 5 TA52
R926	0RD6800F609	680 1/6W 5 TA52
R927	0RD9101F609	9.1K 1/6W 5 TA52
R928	0RD3001F609	3.0K 1/6W 5 TA52
R1001	0RD4701F609	4.70K 1/6W 5% TA52

The components identified by mark Δ are critical for safety.
Replace only with part number specified.

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;
CC, CX, CK, CN : Ceramic
CQ : Polyester
CE : Electrolytic
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
R1002	0RD1501F609	1.5K 1/6W 5 TA52
R1003	0RD1001F609	1.0K 1/6W 5 TA52
R1004	0RD0472H609	47 1/2W 5 TA52
R1006	0RD1000F609	100 1/6W 5 TA52
R1025	0RD2200F609	220 1/6W 5 TA52
R1026	0RD2200F609	220 1/6W 5 TA52
R1027	0RD2200F609	220 1/6W 5 TA52
R1030	0RD8201F609	8.2K 1/6W 5 TA52
R1032	0RD8201F609	8.2K 1/6W 5 TA52
R1038	0RD1602F609	16K 1/6W 5 TA52
R1040	0RD1002F609	10K 1/6W 5 TA52
R1047	0RD1202F609	12K 1/6W 5 TA52
R1048	0RD6801F609	6.8K 1/6W 5 TA52
R1052	0RD0561F609	5.6 1/6W 5 TA52
R1053	0RD0561F609	5.6 1/6W 5 TA52
R1054	0RD0561F609	5.6 1/6W 5 TA52
R1055	0RD0561F609	5.6 1/6W 5 TA52
R1056	0RD0561F609	5.6 1/6W 5 TA52
R1057	0RD0561F609	5.6 1/6W 5 TA52
R1204	0RD2403F609	240K 1/6W 5 TA52
R1206	0RD0752F609	75 1/6W 5% TA
R1208	0RD2403F609	240K 1/6W 5 TA52
R1212	0RD0752F609	75 1/6W 5% TA
R1292	0RD0752F609	75 1/6W 5% TA
R2001	0RF0102J607	10 1W 5% TA62
Δ R2002	0RF1000H609	100 1/2W 5 TA52
R2003	0RD0332H609	33 1/2W 5 TA52
R2004	0RD0391H609	3.9 1/2W 5 TA52
R2005	0RD0332H609	33 1/2W 5 TA52
R2006	0RD1201H609	1.2K 1/2W 5 TA52
R2007	0RD1501H609	1.5K 1/2W 5 TA52
R2008	0RD2001H609	2.0K 1/2W 5 TA52
R2009	0RD1501H609	1.5K 1/2W 5 TA52
R2010	0RD0391H609	3.9 1/2W 5 TA52
R2011	0RS8200J607	820 1W 5% TA62
R2012	0RS8200J607	820 1W 5% TA62
R2013	0RD2202F609	22K 1/6W 5 TA52
R2014	0RD3001F609	3.0K 1/6W 5 TA52
R2015	0RD0222F609	22 1/6W 5 TA52
R2016	0RD3001F609	3.0K 1/6W 5 TA52
R2017	0RD5101F609	5.1K 1/6W 5 TA52
R2018	0RD5601F609	5.6K 1/6W 5 TA52
R2019	0RD3001F609	3.0K 1/6W 5 TA52
R2020	0RD1600F609	160 1/6W 5 TA52
R2021	0RD0822F609	82 1/6W 5% TA
R2022	0RD0102F609	10 1/6W 5 TA52
R2023	0RD0822F609	82 1/6W 5% TA
R2024	0RD1500F609	150 1/6W 5 TA52
R2025	0RD1500F609	150 1/6W 5 TA52
R2026	0RD1000F609	100 1/6W 5 TA52
R2027	0RD1202F609	12K 1/6W 5 TA52
R2028	0RD5602F609	56K 1/6W 5 TA52

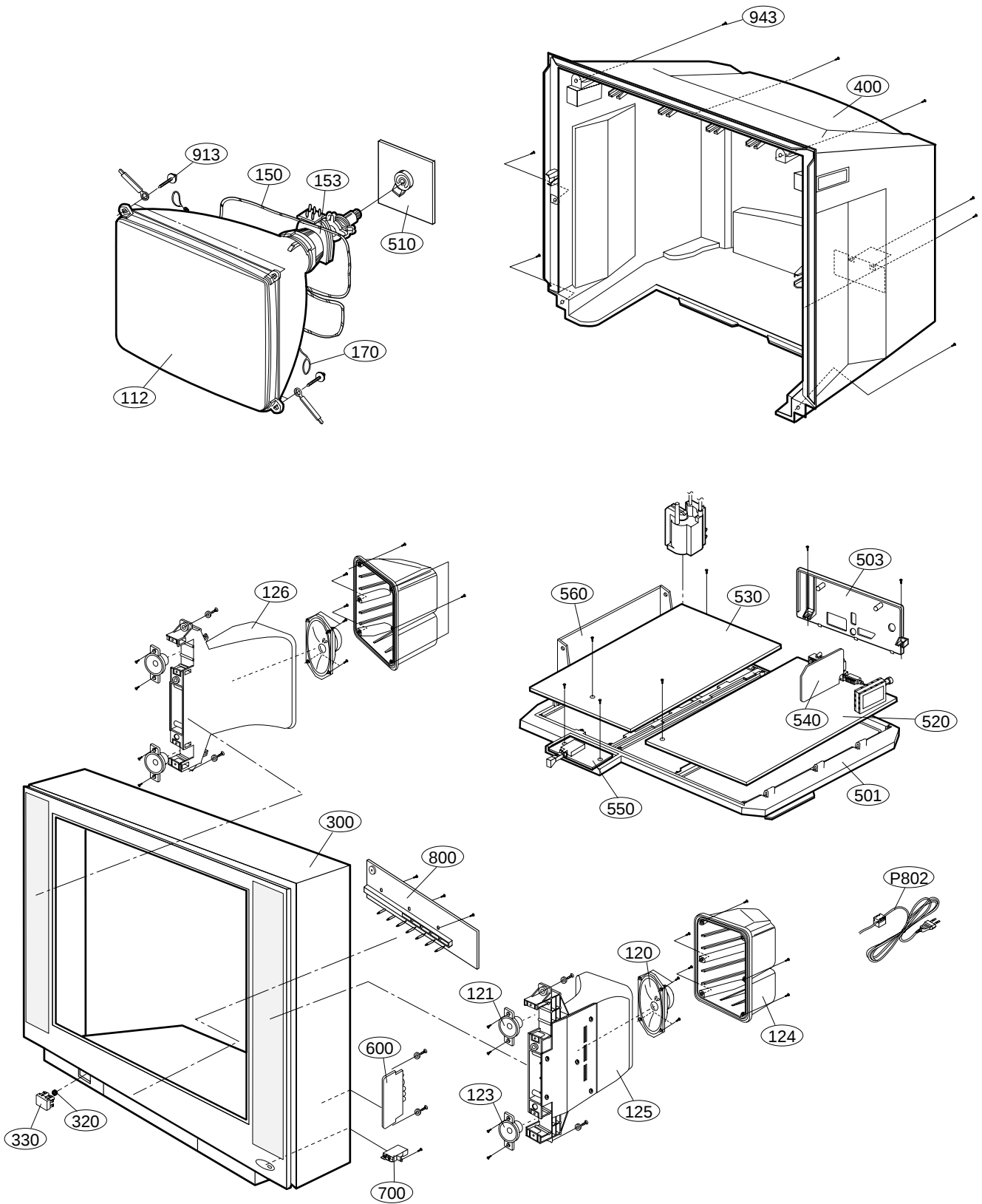
LOCA. NO	PART NO	DESCRIPTION
R2029	0RD5602H609	56K 1/2W 5 M15
R2030	0RD1000F609	100 1/6W 5 TA52
R2031	0RD3000F609	300 1/6W 5 TA52
R2032	0RD3000F609	300 1/6W 5 TA52
R3001	0RD1202F609	12K 1/6W 5 TA52
R3002	0RD2202F609	22K 1/6W 5 TA52
R3003	0RD1001F609	1.0K 1/6W 5 TA52
R3004	0RD0472H609	47 1/2W 5 TA52
R3006	0RD1000F609	100 1/6W 5 TA52
R3008	0RD1002F609	10K 1/6W 5 TA52
RP28	0RD1000F609	100 1/6W 5 TA52
RP29	0RD1000F609	100 1/6W 5 TA52
RP30	0RD1201F609	1.2K 1/6W 5 TA52
RP45	0RD0271H609	2.7 1/2W 5 TA52
RP60	0RD4702F609	47K 1/6W 5 TA52
RP63	0RD1000F609	100 1/6W 5 TA52
RP65	0RD3901F609	3.9K 1/6W 5 TA52
RP73	0RD2200F609	220 1/6W 5 TA52
RP75	0RD2200F609	220 1/6W 5 TA52
RP77	0RD2200F609	220 1/6W 5 TA52
RP78	0RD2200F609	220 1/6W 5 TA52
RP80	0RD1000F609	100 1/6W 5 TA52
RP82	0RD1000F609	100 1/6W 5 TA52
RP83	0RD1000F609	100 1/6W 5 TA52
RP86	0RS0102K607	10 2W 5% TA62
RP87	0RS0152K607	15 2W 5% TA62
RP90	0RD1000F609	100 1/6W 5 TA52
VR101	180-F03H	EVN-DJAY03 B103
SPARK GAP		
SG901	165-004A	SPARK GAP,AG20PT 152F-L3N/S-23
SG902	165-004A	SPARK GAP,AG20PT 152F-L3N/S-23
SG903	165-004A	SPARK GAP,AG20PT 152F-L3N/S-23
SG904	165-004A	SPARK GAP,AG20PT 152F-L3N/S-23
FILTER & CRYSTAL		
Δ T801	150-F06U	FILTER(CIRC),LINE SQE3535 27.5MH
Δ T802	150-F06U	FILTER(CIRC),LINE SQE3535 27.5MH
X501	6202VDB007B	CRYSTAL,STANDARD HC49U 20.250MHZ
X502	6202VDB007A	CRYSTAL,STANDARD HC49U 5.000MHZ 30
X601	156-A02M	CRYSTAL,STANDARD HC49U 18.432MHZ 30P
X701	6202VDB007B	CRYSTAL,STANDARD HC49U 20.250MHZ
XP1	156-A01V	CRYSTAL,STANDARD HC49U 4.433619MHZ
XP2	156-A01C	CRYSTAL,STANDARD HC49U 3.579545MHZ
XP3	156-A02H	CRYSTAL,STANDARD HC49U 20.480MHZ
Z101	166-A01B	FILTER,OFWK3953M 37.4MHZ (PIF
Z102	6200VQS001F	FILTER(CIRC),SAW OFWM3960M 38.9MHZ(INT
Z103	6200VQS001G	FILTER(CIRC),SAW OFWK9350M 38.9MHZ(INT
Z104	6200VQS001H	FILTER(CIRC),SAW OFWK9461M 33.9MHZ(SIF
Z109	166-F01G	FILTER,DSS306-93FZ103N 100VOLT
Z110	166-F01G	FILTER,DSS306-93FZ103N 100VOLT
Z211	166-C04B	FILTER(CIRC),TRAP TPWA03B-TF21 5.5/6.0MHZ

The components identified by mark Δ are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION
Z501	166-F01D	FILTER,DSS306-93Y5S271M 50VOLT
ACCESSORIES		
A1	3828VA0196F	MANUAL,OWNERS,LG AR/EN 026C TX
A2	6710V00026C	REMOTE CONTROLLER
A4	450-018C	ADAPTER,ANT.(300 TO 75) PAL
MISCELLANEOUS		
Δ SK901	6620VBD001A	SOCKET (CIRC),CPT PCS701A 9P 14/360
SP1001	6908VB0001A	BUZZER,PIEZO ELECTRIC PKM13EPY-4002 4000HZ
Δ SW801	6600VM2001A	SWITCH,PUSH POWER SDDFC3
Δ TH801	163-054F	THERMISTOR,PTC J502P84D140M290Q
TU101	6700VPF005C	TUNER,TAEC-G022D
X01	166-E09C	RESONATOR,CSA16.0MXZ040 MURATA 16.0MHZ
ZN1101	164-003K	VARISTOR,SVC621D-14A ILJIN 620V 0%

LOCA. NO	PART NO	DESCRIPTION

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark Δ is critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTIONS
Δ 112	6341V29005A	BARE CPT ASSY,2426GF239AT 100HZ DY
120	6400VA0015A	SPEAKER,C151PX-373K14 8 OHM 15W
121	120-C76G	SPEAKER,TWEETER C050TX-357K14 8 OHM
123	6400VA0016A	SPEAKER,C050TX-346K14 8 OHM 15W
124	3550V00039C	COVER,DOME
125	4810V00129A	BRACKET,MAIN SPEAKER(RIGHT)
126	4810V00129B	BRACKET,MAIN DOME(LEFT)
Δ 150	150-201S	COIL,DEGAUSSING CU 29" 440TURN 102 OHM
Δ 153	6150Z-1340A	DY,DC29SLFL2
Δ 170	170-844K	CPT EARTH,29" 98T
300	3091V00173G	CABINET ASSY
320	320-070G	SPRING,COIL
330	5020V00337A	BUTTON,POWER
400	3809V00127K	BACK COVER ASSY
501	4810V00139D	BRACKET,MAIN
503	3500V00017B	BOARD,MAIN(2PHONE)
510	6871VSM371A	PWB ASSY,CPT
520	6871VMM311C	PWB ASSY MAIN (118,19,66.128) UAE
530	6871VDM073A	PWB ASSY MAIN2 MC993A E/S INITIAL
540	6871VSM313A	PWB ASSY,DIGIT MC993A 100HZ
550	6871VSM372A	PWB ASSY,CONT MC993A POWER
560	6871VSM437A	PWB ASSY,SIDE
600	6871VSM373A	PWB ASSY,A/V MC993A SIDE-AV
700	0IGL120104D	IC,G-LINK CDS SENSOR MODULE
800	6871VSM404A	PWB ASSY,BUTON MC993A TOUCH
913	332-229H	SCREW ASSY HEXAGON HEAD
943	1PTF0403116	SCREW,TAP TITE D4.0 L16.0
Δ P802	174-009V	CORD,POWER(W/HOLD,HOUSING)L=400