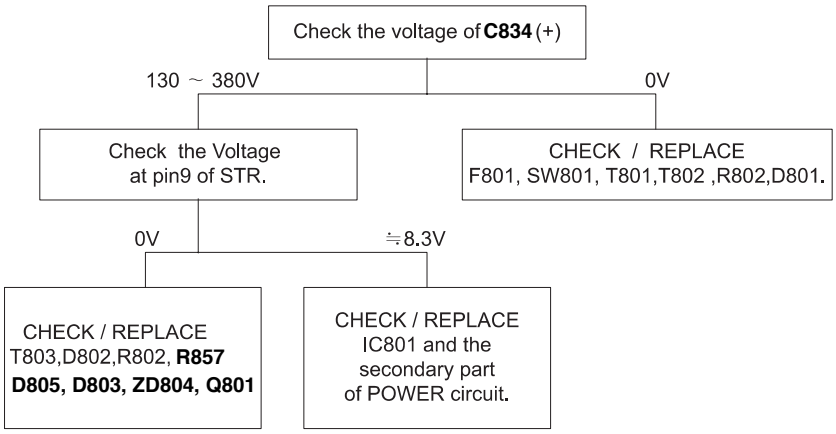
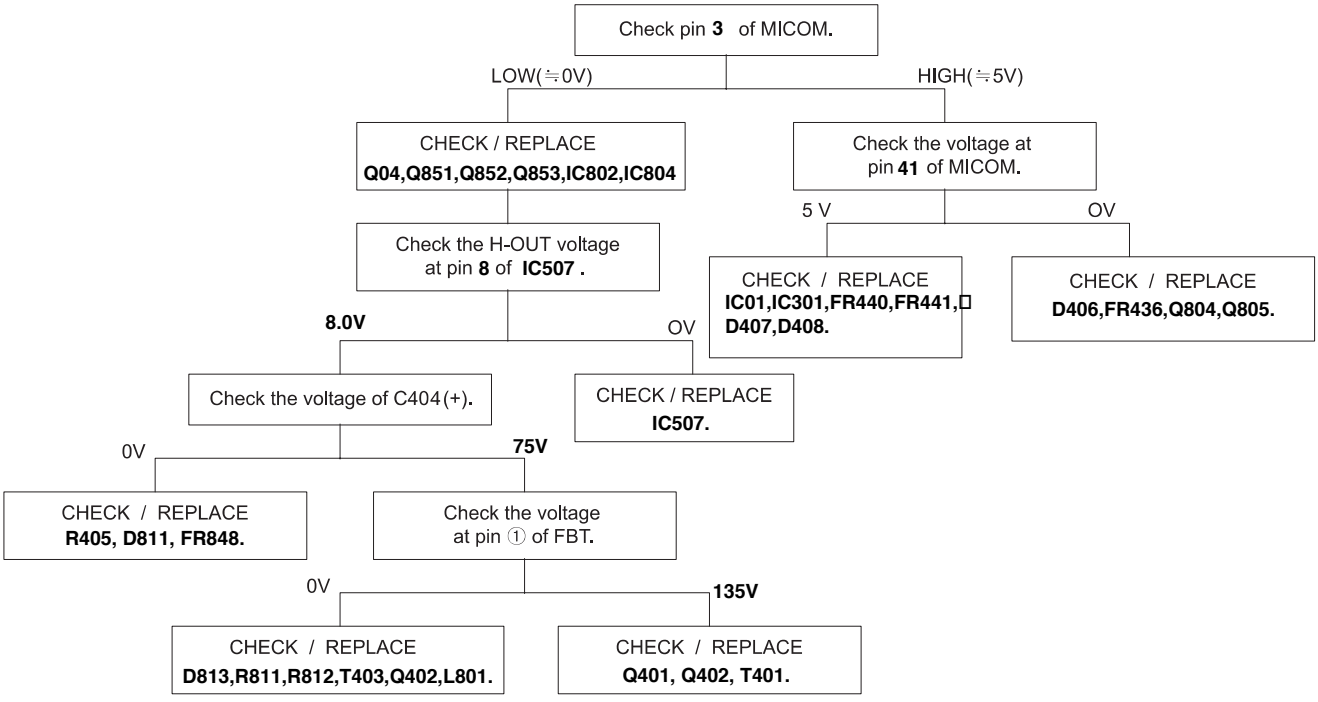
TROUBLESHOOTING GUIDE

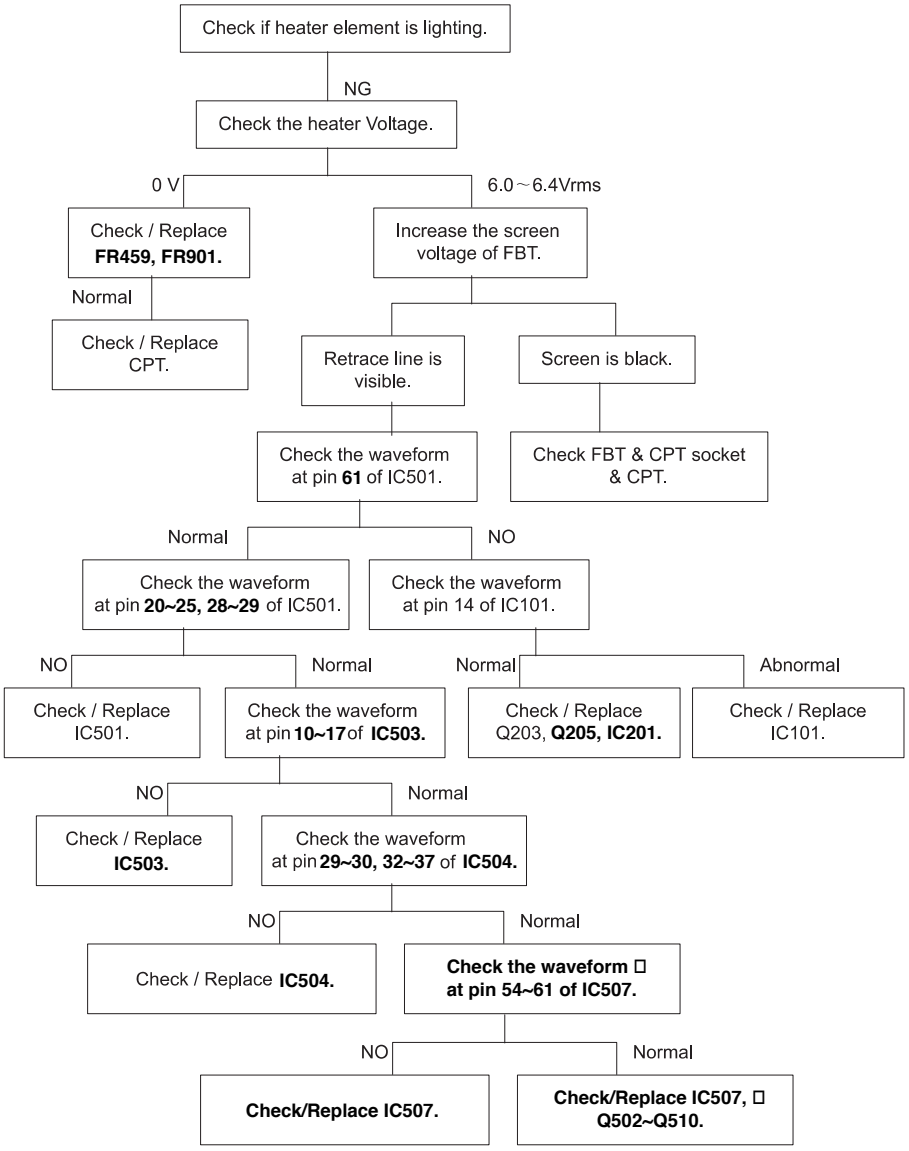
NO POWER (NOT WORKING SMPS)



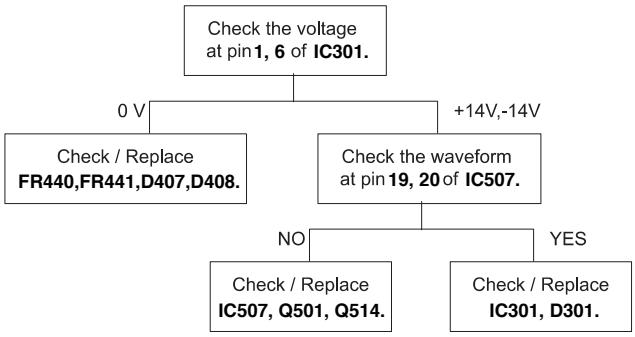
NO POWER ON BUT SMPS WORKING



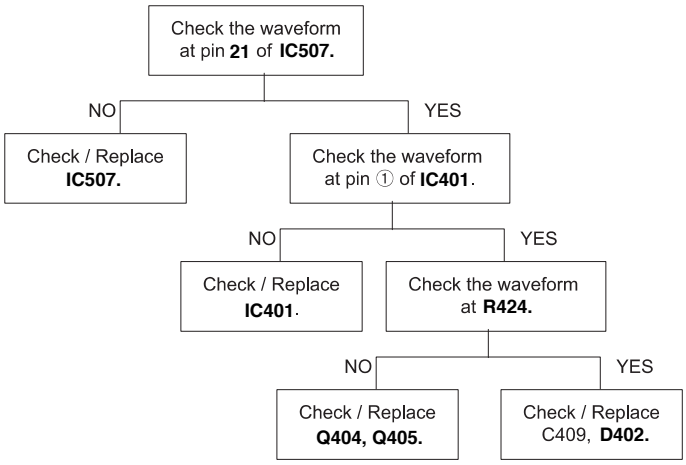
NO RASTER & PICTURE (H-OUT OK)



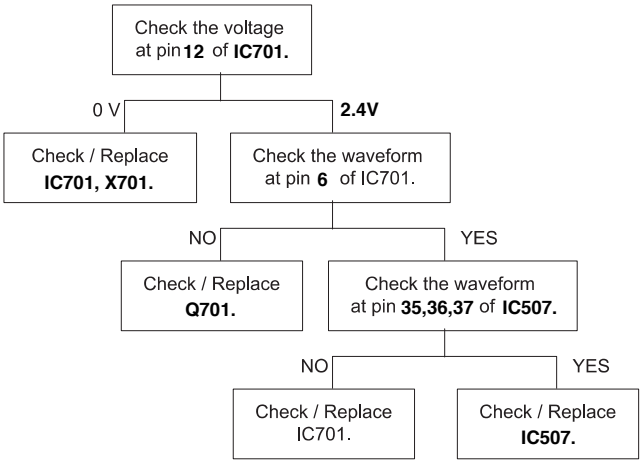
NO VERTICAL DEFLECTION



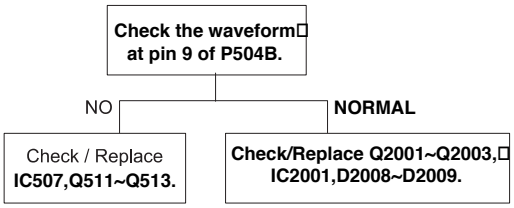
PIN CUSHION DISTORTION



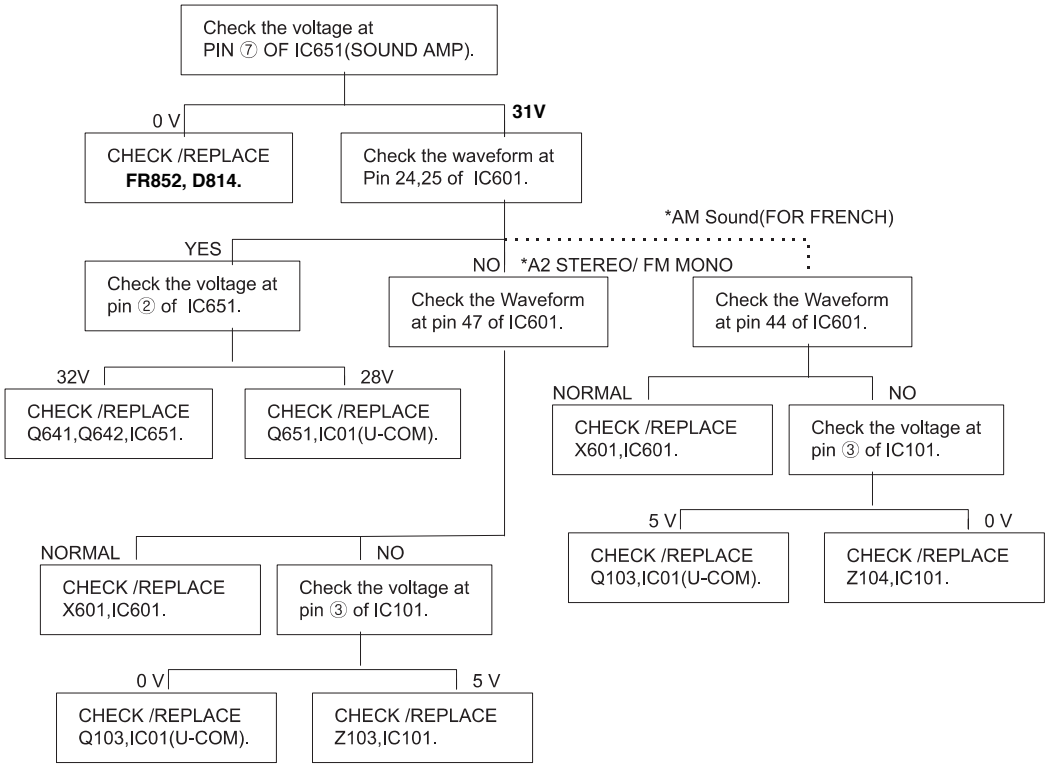
NO TELETEXT



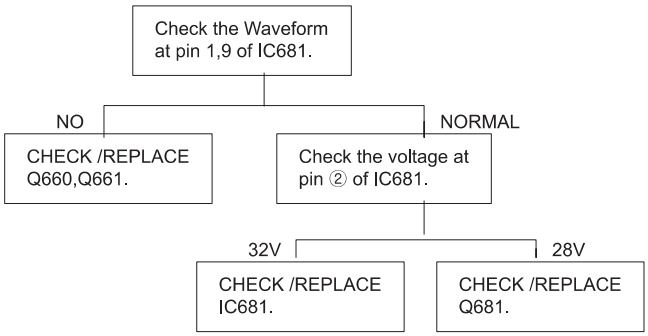
VM DON T WORKING



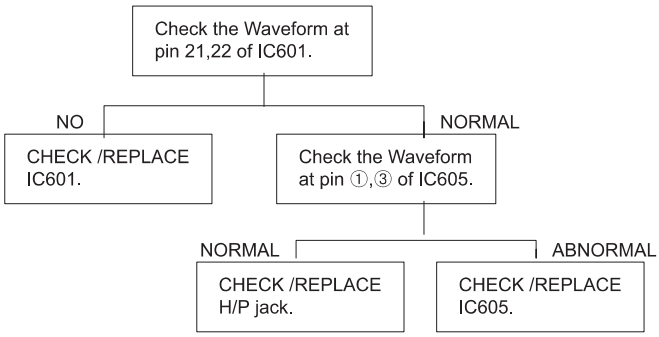
NO SOUND(PICTURE OK)



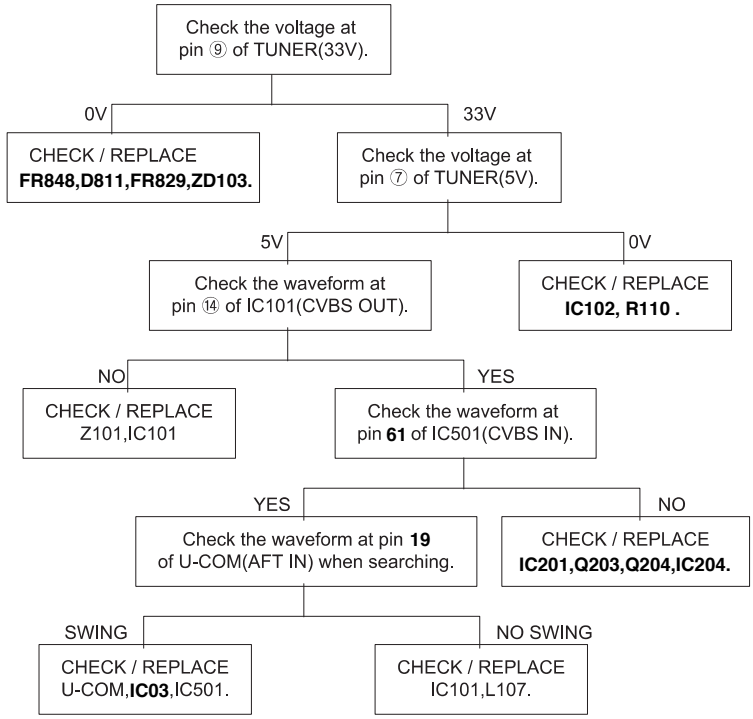
NO SOUND FROM SQUITTER Speaker(OPTION)
(but Main Sound OK)



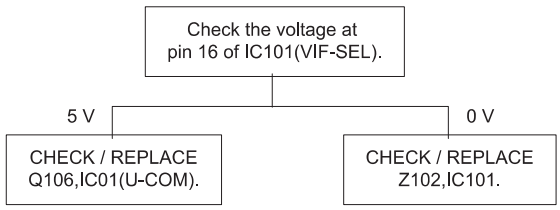
NO SOUND FROM H/P jack(OPTION)
(but Main Sound OK)



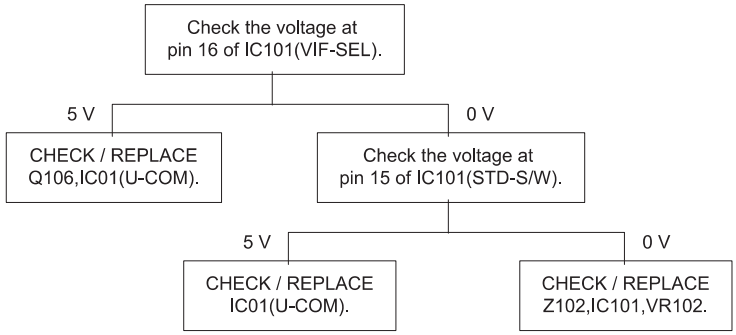
DON T CATCH CHANNEL



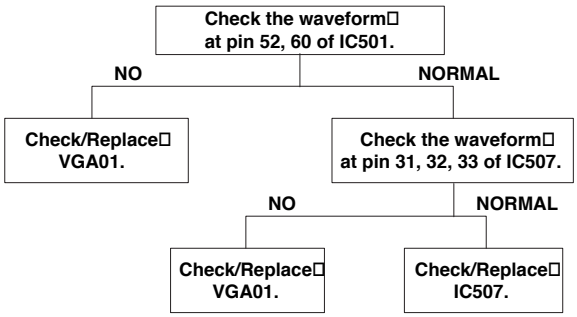
DON T CATCH NTSC-M (OPTION)



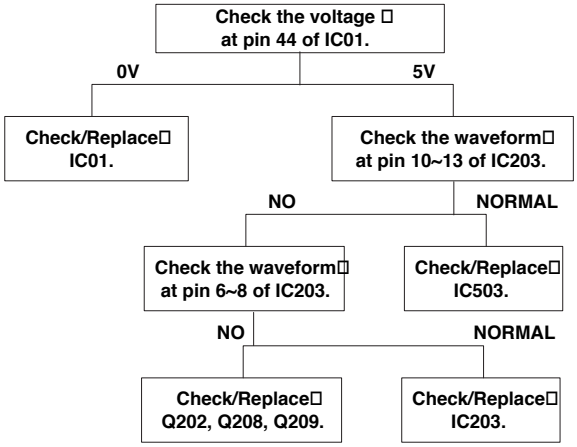
DON T CATCH SECAM-L (OPTION)



NO VGA



NO COMPONENT



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

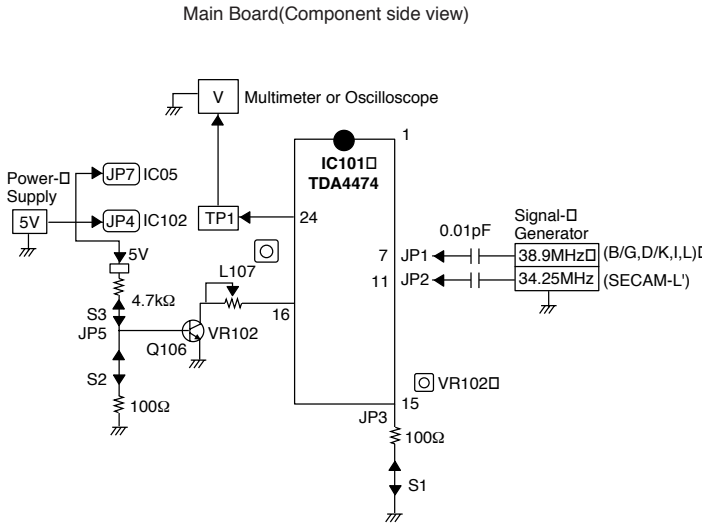


Fig. 1 : Connection Diagram of Equipment for PIF Adjustment

• 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±0.1Vdc.

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)

• 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±0.1Vdc.

• 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±0.1Vdc in RF level 65±1dBuV.

• 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±0.5ft/L.

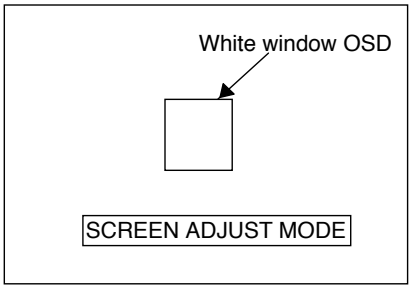


Fig. 2 SVC MODE for SCREEN Adjust

• 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.

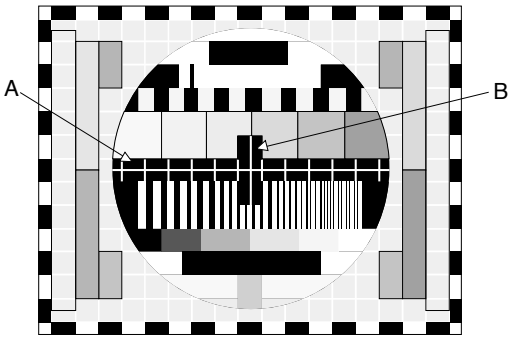


Fig. 3

• 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 circle 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±8, Y=273±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
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	Woofer	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	Woofer	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 1	FLOP TEXT TOP TEXT	Without
TURBO	0 1	W/O TURBO Picture & Sound With TURBO Picture & Sound	To compensate the Inclination of picuture
DK CHINA	0 1	Without D/K CHINA With D/K CHINA	
BB SYS	0 1	Without BB System With BB System	
VGA	0 1	Without VGA Mode With VGA Mode	
DVD	0 1	Without DVD(Y, Cr, Cb) Input 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
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
	1	Use Soft Touch Key Board	Tool Outlook.
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+Spainish+Netherlandish +Portuguese	
	4	Eng+Swedenish+Norwegian+Danish+Finish	
	5	Eng+Romanian+Polish+Hungarian+Czech+Russian	
	6	Reserved	
	7	Full	

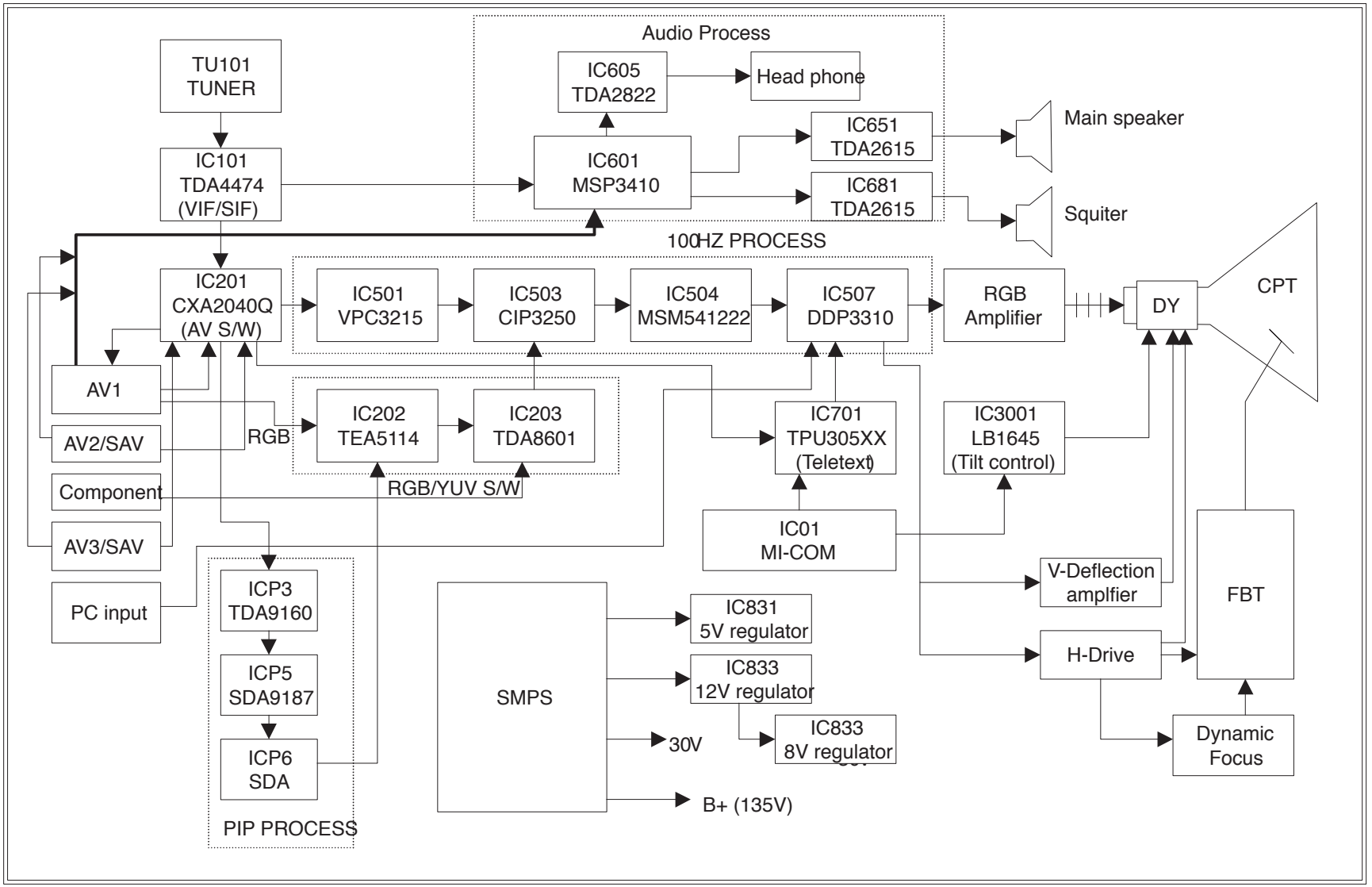
Table 6. OPTION 3 CODE Data

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
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

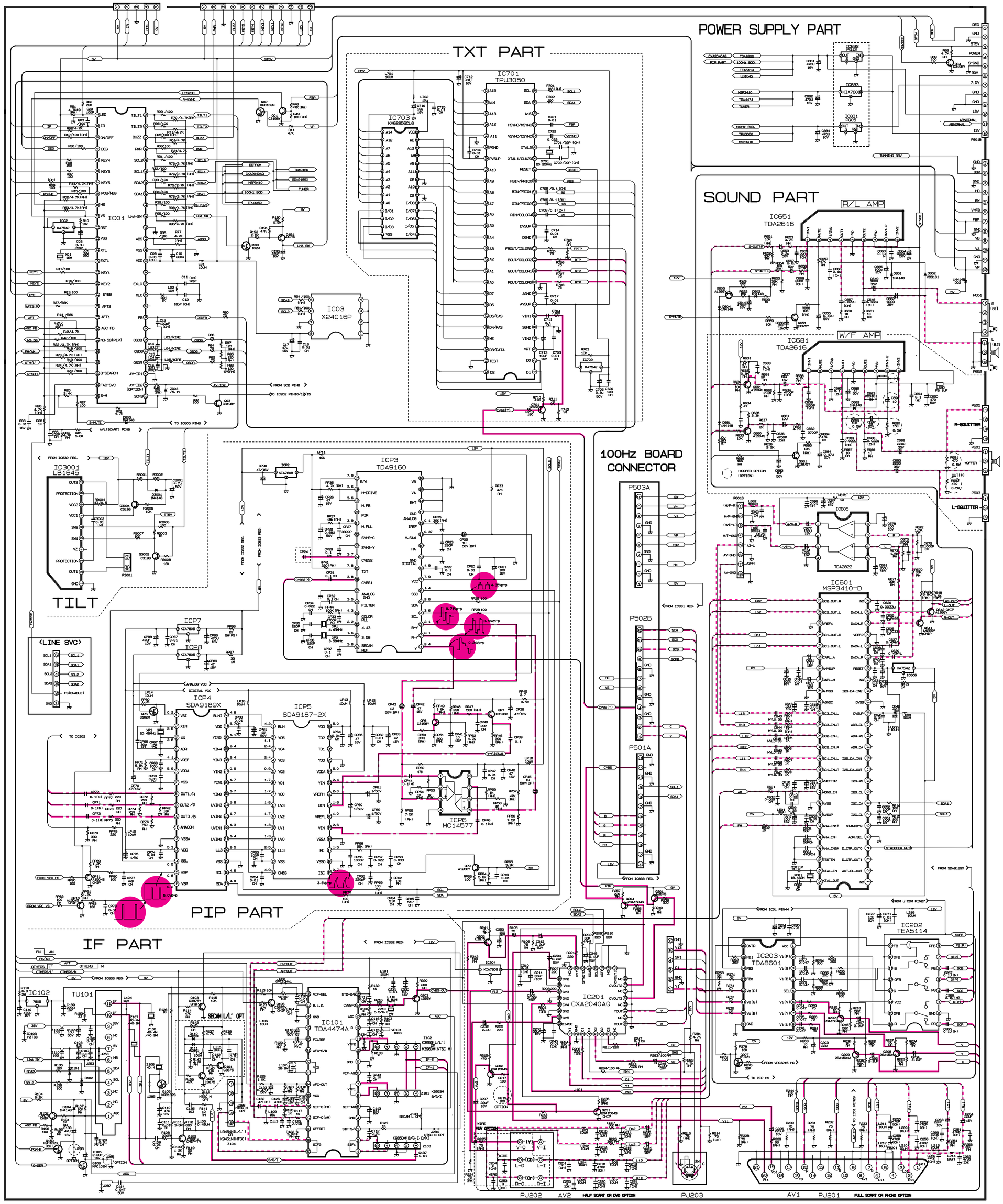


Service Sheet of MC-993A

CIRCUIT DIAGRAM FOR MC-993A CHASSIS MAIN1

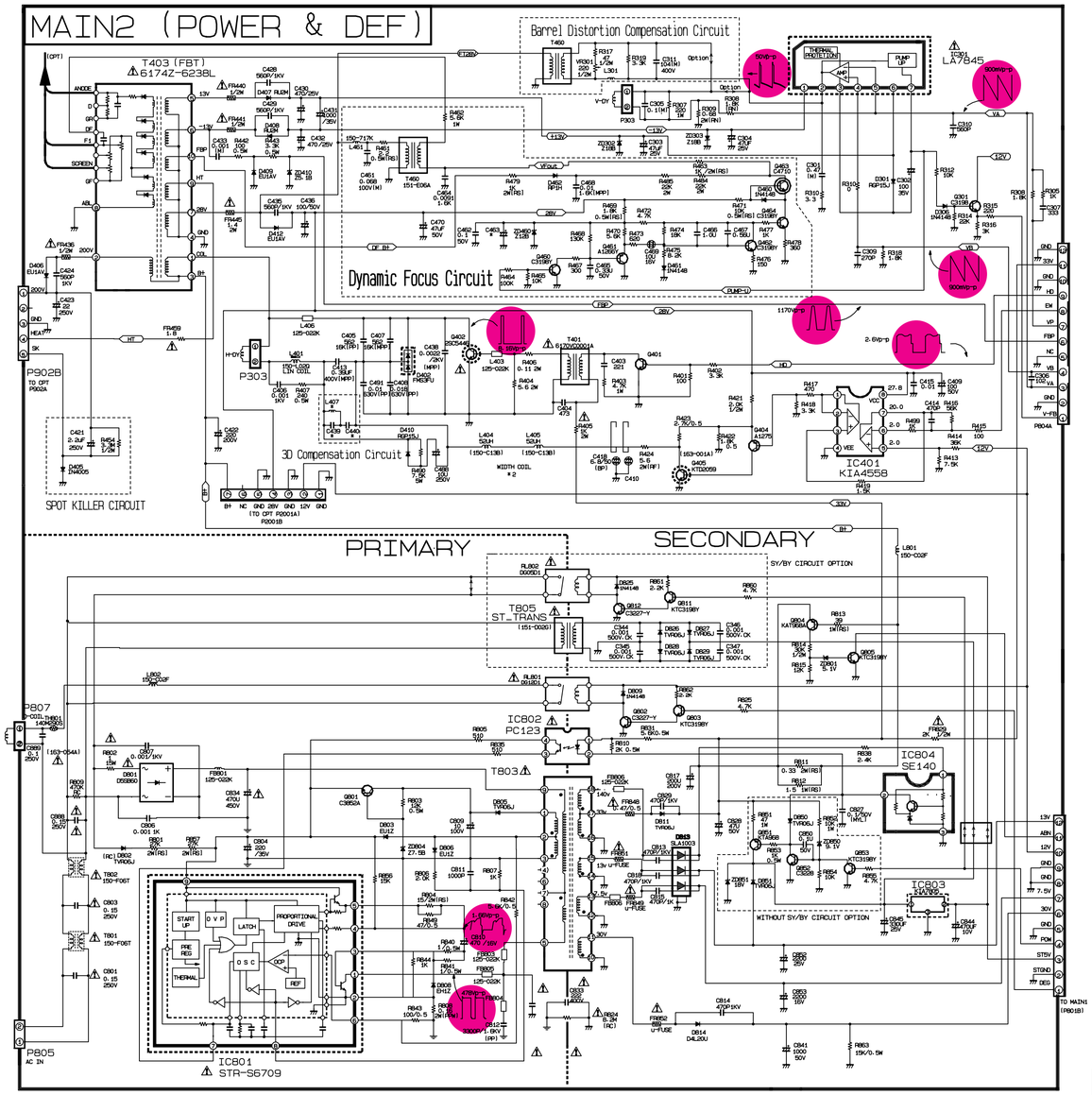
99 03 11 Y S Park

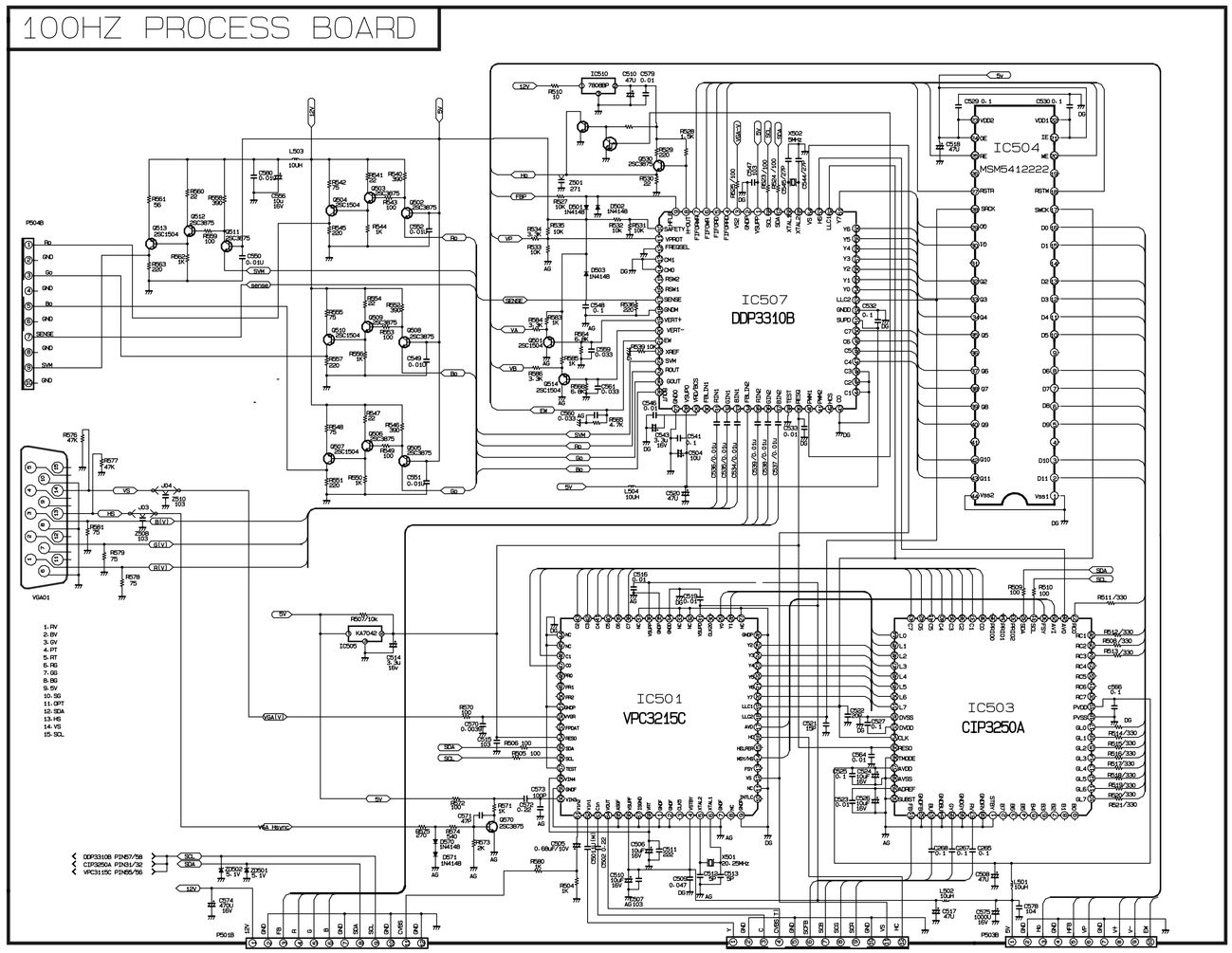
P/N : 3854VA0061A-S1(1/2)
Date : 1999.7.23

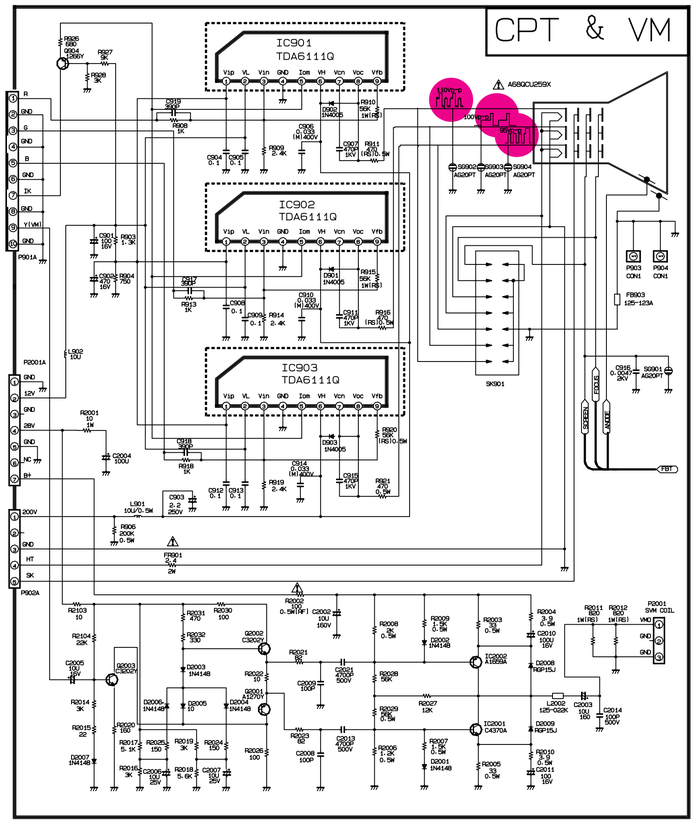


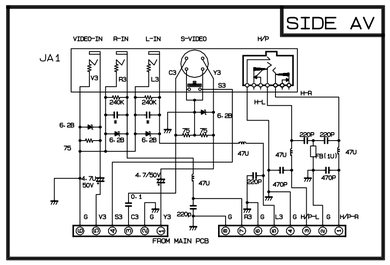
Service Sheet of MC-993A

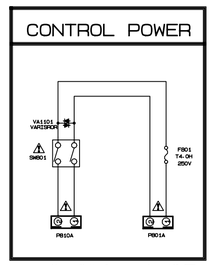
P/N : 3854VA0061A-S2(1/2)
Date : 1999.10.4

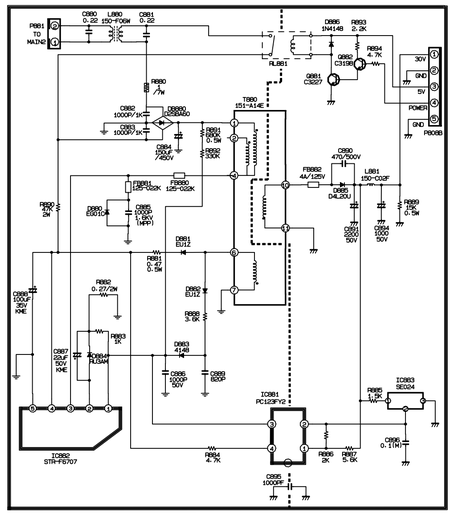












NOTICE

1. Before servicing, unplug power cord to prevent an electric shock.
2. When replacing parts or circuit boards, after servicing, be sure to restore the lead dress, circuit, and racing conditions to the original.
3. Also check all the connectors and the unit's chassis ground for firmness.

Value of resistor, capacitor and inductor

1. Resistances are shown in ohm, K=1,000, M=1,000,000.
2. Capacitors are shown in MF and the values less than 1 are expressed in F and the values are less than 1 in PF.
3. Inductance is shown in MH and the values less than 1 are expressed in UH.

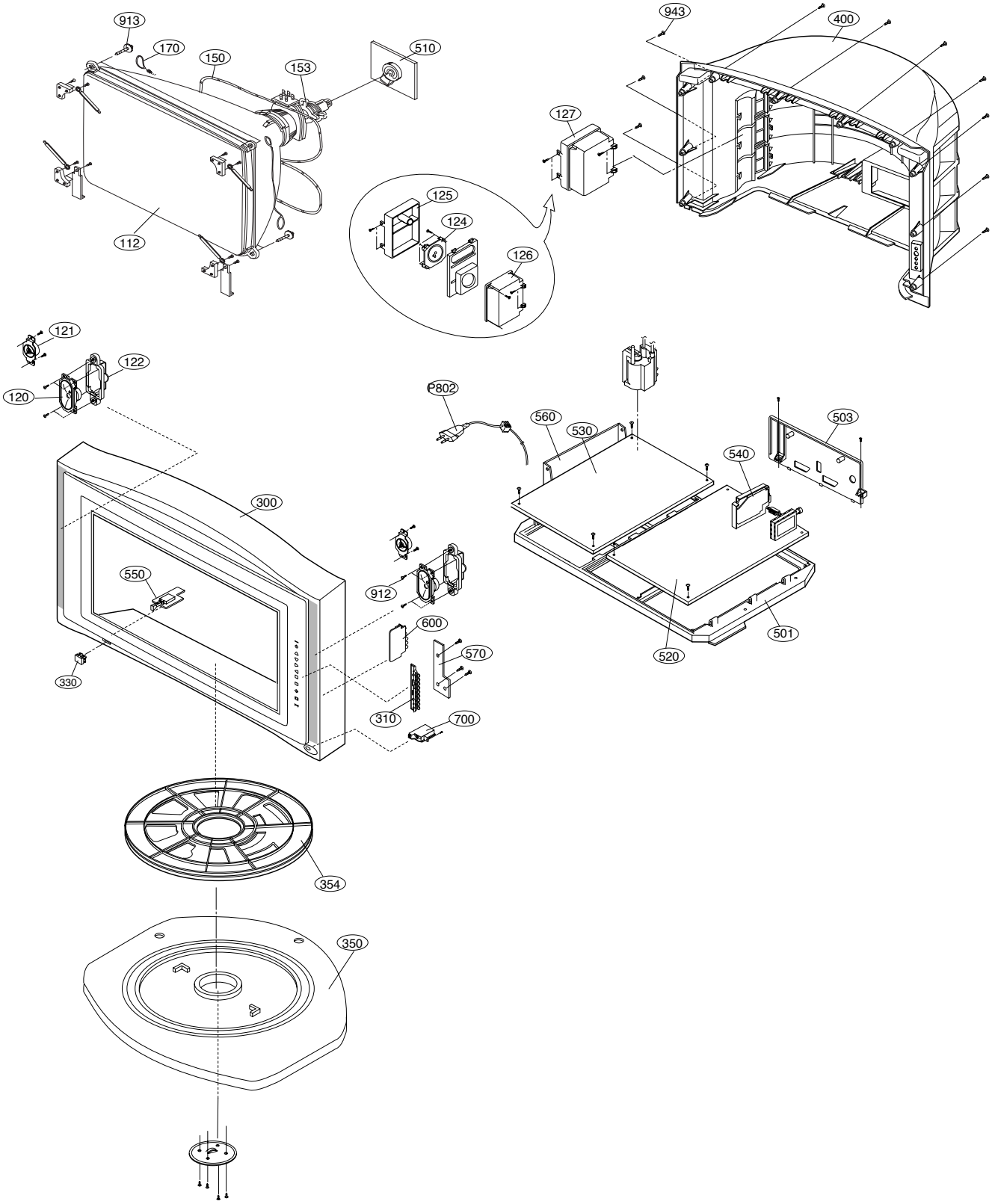
Observation of voltage and waveforms

1. Voltage is measured by using a digital voltmeter.
   Line voltage is 200 ~ 250 volts.
   Signal pattern is color-bar.
2. The voltage shown is for reference only.
3. The schematic shown is representative only.
   And a low capacity probe using a wide band oscilloscope.
4. Check fine tuning, AGC, brightness, contrast and color are in mid position and contrast is in max.

Observation of voltage and waveforms

1. Voltage is measured by using a digital voltmeter.
   Line voltage is 200 ~ 250 volts.
   Signal pattern is color-bar.
2. The voltage shown is for reference only.
3. The schematic shown is representative only.
   And a low capacity probe using a wide band oscilloscope.
4. Check fine tuning, AGC, brightness, contrast and color are in mid position and contrast is in max.

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

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

LOCA. NO	PART NO	DESCRIPTIONS
⚠ 112	6341V32003A	BARE CPT ASSY,2440GE489AC 100HZ DY
120	120-C77G	SPEAKER,GENERAL 8OHM 10
121	120-D39C	SPEAKER,TWEETER 8OHM 10W/20W
122	4810V00088A	BRACKET,SPEAKER
124	120-C78G	SPEAKER,WOOFER 8 OHM 10W/
125	3110V00018A	CASE,WOOFER TOP
126	3110V00019A	CASE,WOOFER BOTTOM
127	6401VA0004B	SPEAKER ASSY WOOFER(L)
⚠ 150	150-201J	COIL,DEGAUSSING
⚠ 153	6150ZT5340B	DY,DW32SLFL2
⚠ 170	170-797X	CPT EARTH,32" 144T 2LUG
300	3091V00152B	CABINET ASSY
310	5020V00274A	BUTTON,CONTROL TOUCH SWITCH
330	5020V00374A	BUTTON,POWER
350	4980V00035A	SUPPORTER,BASE
354	4980V00056A	SUPPORTER,SWIVEL ROLLER
400	3809V00092B	BACK COVER ASSY(2 SCART)
501	4810V00139A	BRACKET,MAIN
503	3500V00019B	BOARD,MAIN
510	6871VSM371D	PWB ASSY,CPT&VM
520	6871VMM311P	PWB ASSY MAIN WL-32Q10
	6871VMM311Q	PWB ASSY MAIN WE-32Q10
530	6871VDM073E	PWB ASSY MAIN2 32Q10 W/ST-BY
	6871VDM073F	PWB ASSY MAIN2 32Q10 W/O ST-BY
540	6871VSM313C	PWB ASSY,DIGIT MC993A CE/CL
550	6871VSM513A	PWB ASSY,POWER
560	6871VSM437A	PWB ASSY,SIDE BOD.
570	6871VSM511A	PWB ASSY,S/TOUCH
600	6871VSM512A	PWB ASSY,SIDE AV
700	0IGL120104D	IC,G-LINK CDS SENSOR MODULE(P1201-04)
913	332-229A	SCREW ASSY,HEXAGON HEAD SPECIAL
943	1PTF0403116	SCREW,TAP TITE D4.0 L16.0
⚠ P802	174-009V	CORD,POWER(W/HOLD,HOUSING)L=400,4.0

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

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
	IC	
D813	0ISK100300A	BC,SLA1003 SIP12 BK DIODE MODULE(
ICS01	0ISG747410A	IC,M74HC74M1R 14P,SOP TP DUAL DTY
IC01	0ICTMSO004A	IC,CXP750097-501S 52SDIP
ICP2	0IKE780800B	IC,KIA78L08BP(TA) TO-92 8V,150MA
ICS02	0ISG747410A	IC,M74HC74M1R 14P,SOP TP DUAL DTY
IC02	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC03	0IAL241600B	IC,AT24C16-10PC 8D EEPROM 16K
ICS03	0IMO156216A	IC,JLC1562BN 16D I,C BUS EXPANDER
ICP3	0IPH916030A	IC,TDA9160A/N3 32SD P/N/S DECODER
ICP4	0ISM918900A	IC,SDA9189X 32SOP PIP(QUARTER)
ICP5	0ISM918730A	IC,SDA9187/3X 28P SOP BK PIP A/D
ICP6	0IET221000B	IC,EL2210CS 8P SOP ST VIDEO AMP
ICP7	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A
ICP8	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A
IC101	0ITF447400A	IC,TDA4474(VIF)
IC102	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A
IC201	0ISO204000A	IC,CXA2040AQ 32P,QFP BK IIC BUS V
IC202	0ISG511400A	IC,TEA5114 16D RGB S/W
IC204	0IKE780900H	IC,KIA78L09BP(AT) 3P 9V,150MA
⚠ IC301	0ISA784500A	IC,LA7845 7SIP V/OUT(1.5A)
IC401	0IKE455800E	IC,KIA4558 8DIP DUAL OP AMP
IC501	0IIT321560A	IC,VPC3215C-PT-B6 68P,PLCC BK COM
IC503	0IIT325010A	IC,CIP3250A-PS-B1 68P,PLCC BK INT
IC504	0IOK541222A	IC,MSM5412222-30TS-K 44P,TSOP TP
IC505	0ISS754200A	IC,KA7542Z RESET TO92 TP 4.2V
IC507	0IIT331020A	IC,DDP3310B-PT-C2 68P,PLCC BK DIS
IC510	0IKE780800B	IC,KIA78L08BP(TA) TO-92 8V,150MA
IC601	0IIT341000J	IC,MSP3410D-C5 52P SDIP BK MULTI
IC605	0ISG282200A	IC,TDA2822M 8D DUAL AUDIO AMP(1W)
IC606	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC651	0IPH261600A	IC,TDA2616 STEREO AMP(20+20W)
IC652	0IPH261600A	IC,TDA2616 STEREO AMP(20+20W)
IC681	0IPH261600A	IC,TDA2616 STEREO AMP(20+20W)
IC701	0IIT305000A	IC,TPU3050 52P,SDIP BK TELETEXT P
IC702	0ISS753300A	IC,KA7533Z RESET T0-92 TP 3.3V
IC703	0ISS622567D	IC,KM62256DLG-7L 28P,SOP TP 256K
⚠ IC801	0ISK670900A	IC,STR/S6709 9S SMPS-CNTR
IC802	0ISH123200B	IC,PC123 FY2 PHOTO COUPLER
IC803	0ISH052100A	IC,PQ05RF21 4P(TO-220) 5V S/W REG
IC804	0ISK130000A	IC,SE130N 3P 130V ERROR AMP
IC831	0ISH052100A	IC,PQ05RF21 4P(TO-220) 5V S/W REG
IC832	0ISH122100A	IC,PQ12RF21 4P(TO-220) 12V S/W RE
IC833	0IKE780800A	IC,KIA7808PI 3P(TO-220IS) 1A,8V
IC901	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP
IC902	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP
IC903	0IPH611190A	IC,TDA6111Q 9SIP RGB AMP
IC3001	0ISA164500B	IC,LB1645N 10SIP BK MOTOR DRIVE I
	DIODE	
D02	0DD414809ED	DIODE,1N4148 TA
D10	0DD414809ED	DIODE,1N4148 TA
D11	0DD414809ED	DIODE,1N4148 TA
D12	0DD414809ED	DIODE,1N4148 TA
D101	0DD226239AA	DIODE,SWITCHING KDS226 SOT-23
D102	0DD226239AA	DIODE,SWITCHING KDS226 SOT-23
D104	0DD414809ED	DIODE,1N4148 TA
D110	0DD859009AA	DIODE,SILICON MA859
D111	0DD859009AA	DIODE,SILICON MA859
D301	0DD150009CA	DIODE,RECTIFIER RGP15J
D306	0DD414809ED	DIODE,1N4148 TA
D401	0DD414809ED	DIODE,1N4148 TA
D402	0DD300000AD	DIODE,FMS-3FU SANKEN
D405	0DD400509AA	DIODE,RECTIFIER 1N4005
D406	0DD200009AF	DIODE,RECTIFIER RU2M V(1)
D407	0DD200009AF	DIODE,RECTIFIER RU2M V(1)
D408	0DD200009AF	DIODE,RECTIFIER RU2M V(1)
D409	0DD100009AU	DIODE,RECTIFIER EU1AV(1)
D410	0DD150009CA	DIODE,RECTIFIER RGP15J
D412	0DD200009AF	DIODE,RECTIFIER RU2M V(1)
D460	0DD414809ED	DIODE,1N4148 TA
D461	0DD414809ED	DIODE,1N4148 TA
D462	0DD100009AQ	DIODE,RP1HV(1)
D501	0DD414809ED	DIODE,1N4148 TA
D502	0DD414809ED	DIODE,1N4148 TA
D503	0DD414809ED	DIODE,1N4148 TA
D570	0DD414809ED	DIODE,1N4148 TA
D571	0DD414809ED	DIODE,1N4148 TA
D602	0DD414809ED	DIODE,1N4148 TA
D603	0DD414809ED	DIODE,1N4148 TA
D604	0DD414809ED	DIODE,1N4148 TA
D651	0DD414809ED	DIODE,1N4148 TA
D652	0DD414809ED	DIODE,1N4148 TA
D681	0DD414809ED	DIODE,1N4148 TA
D682	0DD414809ED	DIODE,1N4148 TA
D683	0DD181009AB	DIODE,SWITCHING KDS181 85V 300MA
⚠ D801	0DD560000AA	DIODE,RECTIFIER D5SB60(5A/600V)
D802	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D803	0DD100009AM	DIODE,RECTIFIER EU1ZV(1)
D805	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D806	0DD100009AM	DIODE,RECTIFIER EU1ZV(1)
D807	0DD100009AM	DIODE,RECTIFIER EU1ZV(1)
D808	0DD100009AL	DIODE,EH-1ZV(1)
D809	0DD414809ED	DIODE,1N4148 TA
D811	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D814	0DD420000BB	DIODE,D4L20U SHINDENGEN
D825	0DD414809ED	DIODE,1N4148 TA
D826	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D827	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D828	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D829	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D850	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D851	0DD060009AC	DIODE,TVR06J 0.6A/600V 250NS
D901	0DD400509AA	DIODE,RECTIFIER 1N4005
D902	0DD400509AA	DIODE,RECTIFIER 1N4005

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

LOCA. NO	PART NO	DESCRIPTION
D903	0DD400509AA	DIODE,RECTIFIER 1N4005
D905	0DD414809ED	DIODE,1N4148 TA
D906	0DD414809ED	DIODE,1N4148 TA
D907	0DD414809ED	DIODE,1N4148 TA
D908	0DD414809ED	DIODE,1N4148 TA
D909	0DD414809ED	DIODE,1N4148 TA
D910	0DD414809ED	DIODE,1N4148 TA
D911	0DD414809ED	DIODE,1N4148 TA
D912	0DD414809ED	DIODE,1N4148 TA
D913	0DD414809ED	DIODE,1N4148 TA
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
DS01	0DD247109AA	DIODE,DETECTOR 1S2471
DS02	0DD247109AA	DIODE,DETECTOR 1S2471
DS03	0DD247109AA	DIODE,DETECTOR 1S2471
ZDS01	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZD01	0DZ910009AJ	DIODE,ZENER MTZJ9.1B DO34 0.5W
ZD02	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM)
ZD03	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM)
ZDS04	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZDS05	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZDS06	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZD103	0DZ330009BA	DIODE,ZENER HZT33(TP)
ZD302	0DZ180009AG	DIODE,ZENER MTZJ18B DO34 500MW
ZD303	0DZ180009AG	DIODE,ZENER MTZJ18B DO34 500MW
ZD410	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM)
ZD460	0DZ120009AF	DIODE,ZENER MTZJ12B DO34 500MW
ZD501	0DZ750009AG	DIODE,ZENER MTZJ7.5B DO34 0.5W
ZD502	0DZ750009AG	DIODE,ZENER MTZJ7.5B DO34 0.5W
ZD801	0DZ510009AB	DIODE,ZENER MTZ5.1B,TP(52MM)
ZD804	0DZ750009AG	DIODE,ZENER MTZJ7.5B DO34 0.5W
ZD850	0DZ910009AJ	DIODE,ZENER MTZJ9.1B DO34 0.5W
ZD1201	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZD1202	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZD1205	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
ZD1206	0DZ620009BB	DIODE,ZENER MTZJ6.2B DO34 0.5W
IC2001	0TR437000BA	TR,KTC4370A-Y
IC2002	0TR165900AC	TR,KTA1659A-Y TO-220IS KEC

TRANSISTOR

Q01	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q02	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
Q03	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q04	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q10	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q11	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q101	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q102	0TR388109AA	TR,KTC3881 CHIP KEC
Q103	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q105	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q106	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q108	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
Q150	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-TP-Y (KTA1015) KEC
Q204	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q205	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q207	0TR102009AG	TR,CHIP KRC102S SOT-23 TP 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	FET,IRFIBC20G BK I.R 600V 1.7
⚠ Q402	0TR544600AA	TR,2SC5446(AS) BK TOSHIBA TO3P
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-TP-Y (KTA1015) 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-TP-Y (KTA1015) KEC
Q641	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q642	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q651	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q661	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
Q681	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
Q701	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC
Q801	0TR385200AA	TR,2SC3852A SANKEN
Q802	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC

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RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
Q803	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q804	0TR968000AA	TR,KTA968A-Y KEC
Q805	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q811	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
Q812	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),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-TP-Y (KTA1015) KEC
Q910	0TR437000BA	TR,KTC4370A-Y TO-220IS KEC
Q2001	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) 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	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QP8	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
QP9	0TR150400BA	TR,CHIP 2SA1504S(ASY) KEC
QS01	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS02	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS03	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS04	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS05	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS06	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS07	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS08	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS09	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS10	0TR388009BB	TR,KTC3880-Y TP KEC SOT23 CHIP
QS11	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS12	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS13	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS14	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS15	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS16	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS20	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS21	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS22	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS23	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS25	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS27	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS28	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS29	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS30	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS31	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS32	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS33	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS34	0TR102009AG	TR,CHIP KRC102S SOT-23 TP KEC
QS35	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC
QS70	0TR387500AA	TR,CHIP 2SC3875S(ALY) KEC

CAPACITOR

LOCA. NO	PART NO	DESCRIPTION
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 Y
C20	0CN1010K519	100P 50V K B TA52
C24	0CN8200K519	82P 50V K B TA52
C102	0CE106DK618	10UF STD 50V M
C103	0CE476DD618	47UF STD 10V M
C105	0CE475DK618	4.7000UF STD 50V M
"	0CE225DK618	2.2000UF STD 50V M *WE-
C110	0CE476DF618	47UF STD 16V M
C113	0CE106DF618	10UF STD 16V M
C114	0CE225DK618	2.2000UF STD 50V M
"	181-007H	ECQ-V1H474JZ3 *WE-
C118	0CE225DK618	2.2000UF STD 50V M
C119	181-007H	ECQ-V1H474JZ3(TR),50V 0.4
C122	0CE226DF618	22UF STD 16V M
C123	0CE474DK618	0.4700UF STD 50V M
C125	0CN1030F679	10000P 16V M
C126	0CX4700K409	47P 50V J
C130	0CE227DF618	220UF STD 16V M
"	0CE225DK618	2.2000UF STD 50V M *WE-
C132	0CX4700K409	47P 50V J
C137	0CN1030F679	10000P 16V M
C139	0CE227DF618	220UF STD 16V M
C140	0CE477DF618	470UF 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
C234	0CE226DK618	22UF STD 50V M
C235	0CE226DK618	22UF STD 50V M
C246	0CE104DK618	0.1000UF STD 50V M
C252	0CE106DF618	10UF STD 16V M
C263	0CE226DF618	22UF STD 16V M
C264	0CE226DF618	22UF STD 16V M
C265	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
C266	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
C267	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
C272	0CE106DF618	10UF 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

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LOCA. NO	PART NO	DESCRIPTION
C307	0CQ3331N509	0.033U 100V K
C309	0CN2710K519	270P 50V K
C310	0CN5610K519	560P 50V K
C401	0CX5600K409	56P 50V J
C403	0CK2210W515	220P 500V K
C404	181-009V	PP 200V 0.047UF K
C405	181-014C	MPP 1600V 0.0056UF J
C406	0CK10201515	1000P 1KV K B TS
C407	181-014C	MPP 1600V 0.0056UF J
C408	181-010T	PP 630V 0.015UF J
C409	0CE107DK618	100UF STD 50V M
C410	0CE5651K652	5.6000UF SM 50V M
C413	181-013M	MPP 400V 0.22UF J
C414	0CN4710K519	470P 50V K B TA52
C418	0CE5651K652	5.6000UF SM 50V M
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 B TS
C428	0CK56101515	560P 1KV K B TS
C429	0CK56101515	560P 1KV K B TS
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	181-834C	MPP 2000V 0.0015UF J
C439	181-010E	PP 400V 0.12UF J
C440	181-010D	PP 400V 0.1UF J
C461	0CQ3931N509	0.0390UF 100V K
C462	0CN1040K949	0.1M 50V Z
C463	0CE476DF618	47UF STD 16V M
C464	181-015K	MPP 1600V 0.0091UF H
C465	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C466	181-007T	ECQ-V1H105JZ3(TR),50V 1.0
C467	181-007J	ECQ-V1H564JZ3(TR),50V 0.5
C468	181-014N	MPP 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	181-010T	PP 630V 0.015UF J
C501	181-007T	ECQ-V1H105JZ3(TR),50V 1.0
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	0CE107DF618	100UF STD 16V M
C520	0CE107DF618	100UF STD 16V M

LOCA. NO	PART NO	DESCRIPTION
C526	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
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	181-007H	ECQ-V1H474JZ3(TR),50V 0.4
C630	181-007H	ECQ-V1H474JZ3(TR),50V 0.4
C632	0CE335DK618	3.3000UF STD 50V M
C642	0CE107DF618	100UF STD 16V M
C643	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C644	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C645	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C646	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C647	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C649	0CE108DJ618	1000UF STD 35V M
C650	0CE227DK618	220UF STD 50V M
C655	0CE474DK618	0.4700UF STD 50V M
C656	0CE106DF618	10UF STD 16V M
C658	181-007G	ECQ-V1H334JZ3(TR),50V 0.3
C662	0CE108DJ618	1000UF STD 35V M
C663	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
C664	0CE477DK618	470UF 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	0CE228DJ650	2200UF STD 35V M
C680	0CE228DJ650	2200UF 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
C687	0CE106DH618	10UF STD 25V M
C690	0CE106DH618	10UF STD 25V M
C691	0CE107DF618	100UF STD 16V M
C694	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
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

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

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LOCA. NO	PART NO	DESCRIPTION
C718	0CE477DD618	470UF STD 10V M
⚠ C801	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C802	181-091K	DE0907-486 R 561K 2KV
⚠ C803	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C804	0CE227DJ618	220UF STD 35V M
C806	181-091D	DE0905-979 R 102K 1KV
C807	181-091D	DE0905-979 R 102K 1KV
C809	0CE106DN618	10UF STD 100V M
C810	0CE477BH618	470UF KME TYPE 25V M
C811	0CK1020K515	1000P 50V K
C812	181-014Z	MPP 1.6KV 0.0033UF J
C813	181-091C	DE0705-979 R 471K 1KV
C814	181-091C	DE0705-979 R 471K 1KV
C815	181-091C	DE0705-979 R 471K 1KV
C817	181-001A	CE 200V 470UF M
⚠ C818	181-091C	DE0705-979 R 471K 1KV
C819	0CK1020W515	1000P 500V K
C820	0CK1020W515	1000P 500V K
C821	0CK1020W515	1000P 500V K
C822	0CK1020W515	1000P 500V K
C827	0CQ1041N509	0.1U 100V K
C828	0CE476DN618	47UF STD 100V M
C829	181-091C	DE0705-979 R 471K 1KV
⚠ C833	181-120K	ACT 4KV E 222M TP10
⚠ 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
"	0CE108DF618	1000UF STD 16V M *W/ST-BY
C850	0CN1040K949	0.1M 50V Z
C852	0CE108DF618	1000UF STD 16V M
C853	0CE108DF618	1000UF STD 16V M
C870	0CE108DD618	1000UF STD 10V M
C881	0CE477DF618	470UF STD 16V M
C882	0CE477DF618	470UF STD 16V M
C884	0CE477DH618	470UF STD 25V M
⚠ C888	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
⚠ C889	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
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(S:7.5)
C907	181-091C	DE0705-979 R 471K 1KV
C908	0CQ1041N509	0.1U 100V K
C909	0CQ1041N509	0.1U 100V K
C910	181-005J	PE 400V 0.033UF K(S:7.5)
C911	181-091C	DE0705-979 R 471K 1KV
C912	0CQ1041N509	0.1U 100V K
C913	0CQ1041N509	0.1U 100V K
C914	181-005J	PE 400V 0.033UF K(S:7.5)

LOCA. NO	PART NO	DESCRIPTION
C915	181-091C	DE0705-979 R 471K 1KV
C916	0CK22202515	2200PF 2KV K
C917	0CX3R90K509	3.9P 50V K
C918	0CX3R90K509	3.9P 50V K
C919	0CX3R90K509	3.9P 50V K
C1203	0CN2210K519	220P 50V K
C1204	0CN1040K949	0.1M 50V Z
C1205	0CN2210K519	220P 50V K
C1206	0CN4710K519	470P 50V K
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	0CE105CK636	1UF SHL,SD 50V M
CP26	0CE476DF618	47UF STD 16V M
CP28	0CE684DK618	0.6800UF STD 50V M
CP38	0CE476DF618	47UF STD 16V M
CP39	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
CP41	0CE106DF618	10UF STD 16V M
CP42	0CE476DF618	47UF STD 16V M
CP43	0CE105CK636	1UF SHL,SD 50V M
CP44	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
CP45	0CE105CK636	1UF SHL,SD 50V M
CP46	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
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	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
CP72	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
CP73	181-007C	ECQ-V1H104JZ3(TR),50V 0.1
CP75	0CE105DK618	1UF STD 50V M

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LOCA. NO	PART NO	DESCRIPTION
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
CS13	0CE476DD618	47UF STD 10V M
CS15	0CE227DD618	220UF STD 10V M
CORE		
FB201	125-123A	CORE (CIRC),FERRITE BFD3565R2F
FB204	125-123A	CORE (CIRC),FERRITE BFD3565R2F
FB205	125-022K	CORE (CIRC),BEAD FERRITE 1UH
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
L406	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L409	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L410	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L1205	125-022K	CORE (CIRC),BEAD FERRITE 1UH
L2001	125-022K	CORE (CIRC),BEAD FERRITE 1UH
R505	6210TCT002B	CORE (CIRC),BEAD ACB2012M-300-T
R506	6210TCT002B	CORE (CIRC),BEAD ACB2012M-300-T
R509	6210TCT002B	CORE (CIRC),BEAD ACB2012M-300-T
R510	6210TCT002B	CORE (CIRC),BEAD ACB2012M-300-T
R523	6210TCT002B	CORE (CIRC),BEAD ACB2012M-300-T
R524	6210TCT002B	CORE (CIRC),BEAD ACB2012M-300-T
FUSE		
⚠ F801	131-098B	FUSE,4000MA 250 V 5.2X20
⚠ FR849	131-096N	FUSE,4000MA 125 V 2.5X7.6
⚠ FR851	131-096N	FUSE,4000MA 125 V 2.5X7.6
⚠ FR852	131-096N	FUSE,4000MA 125 V 2.5X7.6
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 1105
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
L114	0LA0102K119	INDUCTOR,10UH K
L115	0LA0102K119	INDUCTOR,10UH K
L202	0LA0102K119	INDUCTOR,10UH K

LOCA. NO	PART NO	DESCRIPTION
L203	0LA0102K119	INDUCTOR,10UH 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
L216	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
L407	150-W01A	COIL,WIDTH 24UH
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
L682	0LA1000K119	INDUCTOR,100UH K
L701	0LA0102K119	INDUCTOR,10UH K
L702	0LA0102K119	INDUCTOR,10UH K
L703	0LA0102K139	INDUCTOR,10UH K
L801	150-C02F	COIL,CHOKE 82UH R1217
L901	0LA0102K139	INDUCTOR,10UH K
L902	0LA0102K119	INDUCTOR,10UH K
L1201	0LA0472K119	INDUCTOR,47UH K
L1202	0LA0472K119	INDUCTOR,47UH K
L1203	0LA0472K119	INDUCTOR,47UH K
L1204	0LA0472K119	INDUCTOR,47UH K
LP10	0LA1000K139	INDUCTOR,100UH 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
LS01	0LA0102K119	INDUCTOR,10UH K
⚠T401	6170VC0002A	TRANSFORMER,HORIZONTAL DRIVER
⚠T403	6174Z-6005S	FBT FTMPC31 -T6005S
T460	151-E06A	TRANSFORMER,DBF,EER-2834,BULK
T803	6170VMCA01V	TRANSFORMER,SMPS EER5345 450UH
T804	151-D02G	TRANSFORMER,ST-BY EI-35

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LOCA. NO	PART NO	DESCRIPTION
		CONNECTOR
P601A	387-B08K	CONNECTOR ASSY,8P SHIELD(600)
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)
		JACK
JA1	6613V00004A	JACK ASSY,PJ6054A EARPHONE+S-VHS+3P
PJ201	6612VMH001A	JACK,SCART UPJ-R1-018 RGB 21 PI
PJ202	6612VMH001A	JACK,SCART UPJ-R1-018 RGB 21 PI
		RESISTOR
D2003	0RD0102F609	10 1/6W 5 TA52
⚠ FR436	180-D02E	RNF RND(S) CR 2W 1.0 J
⚠ FR440	180-D02E	RNF RND(S) CR 2W 1.0 J
⚠ FR441	180-D02E	RNF RND(S) CR 2W 1.0 J
⚠ FR445	180-D02E	RNF RND(S) CR 2W 1.0 J
⚠ FR459	0RF0141K607	1.40 OHM 2 W 5% TA62
⚠ FR829	0RS6801K607	6.80K 2W 5% TA62
⚠ FR848	0RF0470H609	0.47 1/2W 5 TA52
⚠ FR901	0RF0331K607	3.30 2W 5% TA62
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
R15	0RD1000F609	100 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

LOCA. NO	PART NO	DESCRIPTION
R45	0RD5601F609	5.6K 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
R78	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
R97	0RD1001F609	1.0K 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
R115	0RD1002F609	10K 1/6W 5 TA52
R117	0RD1001F609	1.0K 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
R137	0RD4701F609	4.70K 1/6W 5% TA52
R138	0RD4701F609	4.70K 1/6W 5% TA52
R139	0RD4702F609	47K 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
R217	0RD1000F609	100 1/6W 5 TA52
R221	0RD2200F609	220 1/6W 5 TA52
R239	0RD3000F609	300 1/6W 5 TA52
R262	0RD2201F609	2.2K 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
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

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LOCA. NO	PART NO	DESCRIPTION
R403	0RS4701K607	4.70K 2W 5% TA62
R404	0RS0561K607	5.60 2W 5% TA62
⚠ R405	0RS1801K607	1.80K 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
R424	0RF0561K607	5.60 2W 5% TA62
R442	0RD1000H609	100 OHM 1/2 W 5%
R443	0RD3301H609	3.3K 1/2W 5 TA52
R454	0RKZVTA001A	2.2M OHM 1/2 W 5%
R461	0RS0221H609	2.2 1/2W 5 TA52
R462	180-C02M	5.6KOHM 1/2 W 10%
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
R601	0RD1000F609	100 1/6W 5 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
R659	0RD1002F609	10K 1/6W 5 TA52

LOCA. NO	PART NO	DESCRIPTION
R675	0RD0102F609	10 1/6W 5 TA52
R689	0RD1002H609	10K 1/2W 5 TA52
R690	0RD1500H609	150 1/2W 5 TA52
R691	0RD4700H609	470 1/2W 5% TA52
R692	0RD4700H609	470 1/2W 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
"	0RS2002K607	20K 2W 5% TA62 *W/ST-BY
⚠ R802	180-822M	RWR 15W 1.0 OHM J
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
⚠ 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
⚠ R824	0RKZVTA001C	8.2M OHM 1/2 W 5%
R825	0RD4701F609	4.70K 1/6W 5% TA52
R831	0RD7501F609	7.5K 1/6W 5 TA52
R835	0RD5100F609	510 1/6W 5 TA52
R838	0RD3901F609	3.9K 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%
R844	0RD1001F609	1.0K 1/6W 5 TA52
R851	0RS0392K607	39 2W 5% TA62
R852	0RS1002J607	10K 1W 5% TA62
R853	0RD1001H609	1K OHM 1/2 W 5%
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
"	0RS2002K607	20K 2W 5% TA62 *W/ST-BY

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LOCA. NO	PART NO	DESCRIPTION
R860	0RD4701F609	4.7K 1/6W 5 TA52
R861	0RD2201F609	2.2K 1/6W 5 TA52
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	1.0K 1/6W 5 TA52
R909	0RD2401F609	2.4K 1/6W 5 TA52
R910	0RS5602K607	56K 2W 5% TA62
R911	0RS4700H609	470 1/2W 5 TA52
R913	0RD1001F609	1.0K 1/6W 5 TA52
R914	0RD2401F609	2.4K 1/6W 5 TA52
R915	0RS5602K607	56K 2W 5% TA62
R916	0RS4700H609	470 1/2W 5 TA52
R918	0RD1001F609	1.0K 1/6W 5 TA52
R919	0RD2401F609	2.4K 1/6W 5 TA52
R920	0RS5602K607	56K 2W 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
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
⚠ 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

LOCA. NO	PART NO	DESCRIPTION
R2026	0RD1000F609	100 1/6W 5 TA52
R2027	0RD1202F609	12K 1/6W 5 TA52
R2028	0RD5602F609	56K 1/6W 5 TA52
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-DJAA03 B14
VR102	180-F03H	EVN-DJAA03 B14

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

⚠ T801	150-F06U	FILTER(CIRC),LINE SQE3535 27.5MH
⚠ T802	150-F06U	FILTER(CIRC),LINE SQE3535 27.5MH
X501	6202VDB007B	CRYSTAL,STANDARD HC49U 20.250MHZ
X502	6202VDB007A	CRYSTAL,STANDARD HC49U 5.000MHZ
X601	156-A02M	CRYSTAL,STANDARD HC49U 18.432MHZ
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 SIEMENS 37.4MHZ
Z102	166-A01B	FILTER,OFWK3953M SIEMENS 37.4MHZ
Z103	6200VQS001G	FILTER(CIRC),SAW OFWK9350M 38.9MHZ

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

LOCA. NO	PART NO	DESCRIPTION
Z104	166-A01U	FILTER (CIRC),SAW OFWL9454M 40.4MHZ
Z106	166-C06D	FILTER(CIRC),TRAP MKT40.4MA110P-TF01
Z107	166-C06D	FILTER(CIRC),TRAP MKT40.4MA110P-TF01
Z109	166-F01G	FILTER,DSS306-93FZ103N MURATA 100V
Z110	166-F01G	FILTER,DSS306-93FZ103N MURATA 100V
Z113	166-F01D	FILTER,DSS306-93Y5S271M MURATA 50V
Z210	166-C02E	FILTER(CIRC),TPS6.5MB-TF21
Z211	166-C04B	FILTER(CIRC),TRAP TPWA03B-TF21
Z501	166-F01D	FILTER,DSS306-93Y5S271M MURATA 50V
ACCESSORIES		
A1	3828VA0209B	MANUAL,OWNERS DG/32Q10 LG
A1	3828VA0209D	MANUAL,OWNERS UK/32Q10 EN
A1	3828VA0203G	MANUAL,OWNERS ES LG SP/PO
A1	3828VA0209J	MANUAL,OWNERS FS/32Q10 LG FR 026C TX
A2	6710V00026H	REMOTE CONTROLLER(W/PIP) SILVER LG
MISCELLANEOUS		
PS1	6908VB0001A	BUZZER,PIEZO ELECTRIC PKM13EPY-4002
RL801	141-018E	RELAY,DG12D1-0(M)-2 12V44MA
RL802	141-018F	RELAY,DG5D1-0-2
⚠ SK901	6620VBD001A	SOCKET (CIRC),CPT PCS701A 9P
⚠ SW801	6600VM2001A	SWITCH,PUSH POWER SDDFC3
⚠ TH801	163-054F	THERMISTOR,PTC J502P84D140M290Q
TU101	6700VPF005A	TUNER,TU8PSD01DB PAL DIN BG/L
"	6700VPF005C	TUNER,TAEC-G022D
VGA01	6630VGA001B	CONNECTOR (CIRC),68114-1522
X01	166-E09C	RESONATOR,CSA16.0MXZ040 16.0MHZ
ZN1101	164-003K	VARISTOR SVC621D-14A 620V

LOCA. NO	PART NO	DESCRIPTION