

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. But this is changeable in view of productivity.
5. Unless otherwise noted, set the line voltage to 100~270Vac, 50Hz.

■ Test Equipment required

1. VIF sweep generator/Alignment scope
2. Color bar/cross-hatch pattern generator
3. DC power supply
4. Digital multi-meter
5. Color analyzer
6. Oscilloscope

1. SIF adjustment

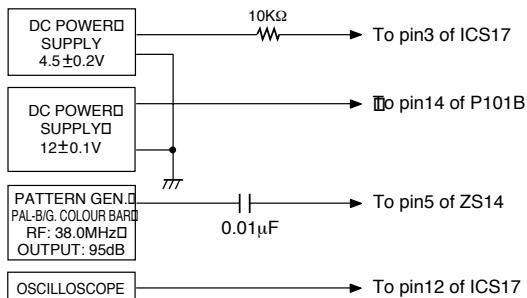


Fig.1: Connection Diagram of Equipment for SIF adjustment

Test Point : Pin12 of ICS17 (SUB Board)

Adjust : LS12 (SUB Board)

- 1) Connect the measuring equipment to the TV as shown in Fig.1.
- 2) Set RF output level of Sweep S.G (Signal Generator) to 95dBuV.
- 3) Set Alignment Scope, Volts/Div to 100mV, AC/DC switch to AC, Line/Ext switch to Ext.
- 4) Adjust SIF COIL (LS12) on SUB Board until the bottom of 38.0MHz mark is on the center line as Fig.2.

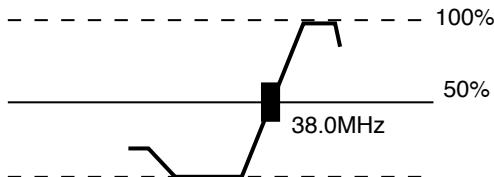


Fig.2: SIF Adjustment waveform

2. VCO (Voltage Controlled Oscillator) Adjustment

Test Point : Observing display

Adjust : A-PLL ▶ (SVC-0 mode)

- 1) Input the COLOR BAR pattern with RF frequency is 175.25MHz and 65dB.
- 2) Press the OK buttons on both of Control Board and Remote Controller at the same time to get into SVC-0 mode.
- 3) Press CH UP/DOWN (▲/▼) button to select A-PLL ▶ .
- 4) Press VOL +(▶) button and the VCO will be adjusted automatically.
- 5) Press OK(■) button to memorize the adjusted data.

3. RF AGC (Auto Gain Control) Adjustment

Test Point: TP1(J173) on Main Board

Adjust: AGC 28 (SVC-0 mode)

The RF AGC was aligned at the time of manufacture for optimum performance over a wide range conditions. Readjust 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 is caused by "broadcast noise" or weak signal. If the broadcast is "clean" and the RF signal is at least 1mV (60dBuV), the picture will be noise free in any area.

Adjusting the RF AGC to one end will usually cause a relatively poor signal to noise ratio;

Adjusting to the other end will usually cause a degradation of over load capabilities resulting in color beats or adjacent channel reference.

For best results, adjust the while performing on all over local channels, or the voltage at J173(Main Board) will be 5.8 ± 0.1 Vdc in RF level 65 ± 1 dBuV.

- 1) Input the COLOR BAR pattern of PAL-B/G 65dB.
- 2) Connect the Multimeter to AGC test point TP1(J173).
- 3) Press the OK buttons on both of Control Board and Remote Controller at the same time to get into SVC-0 mode.
- 4) Press CH UP/DOWN (▲/▼) button to select AGC 28 .
- 5) Press VOL UP/DOWN (◀ / ▶) button until the voltage of TP1(J173) is 5.8 ± 0.1 Vdc.
- 6) Press OK(■) button to memorize the adjusted data.

4. Vertical/Horizontal/E-W(East-West) Adjustment

NOTE: These adjustments are already aligned at the time of manufacture for optimum performance. Readjust of them should not be necessary unless IC2(EEPROM) is defective. Because all the information of these adjustment are memorized in that IC.

- 1) Tune the TV set to receive a digital pattern unless otherwise noted.
- 2) Press the OK buttons on both of Control Board and Remote Controller at the same time.
- 3) Press the yellow button on the Remote Controller to select SVC-1 mode.
- 4) Press CH UP/DOWN (Δ/∇) button for desirous function adjustment.
- 5) Press VOL UP/DOWN ($\blacktriangleleft/\blacktriangleright$) button for correct picture.
- 6) Press OK(\blacksquare) button to memorize the adjusted data.

Adjustment

HS (Horizontal Shift)

Adjust so that vertical center line of the digital pattern is in accord with geometric vertical center of the picture tube.

VS (Vertical Shift)

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

VL (Vertical Linearity)

Adjust so that the boundary line between upper and lower half is in accord with vertical blanking line.

VA (Vertical Height)

Adjust inside of the circle at top and bottom display.

EW (East-West Width)

Adjust so that digital circle pattern looks like exact circle.

EP (East-west Parabolic)

Adjust so that middle portion of the outermost left and right vertical parallel with vertical lines of the picture tube.

EC (East-west Coner)

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

ET (East-west Trapezium)

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

SC (Vertical "S" Correction)

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

5. Hold Down Check

Apply 5Vdc to X-RAY TP and check if TV set is turned off (ST-BY).

6. Focus Adjustment

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

Test Point : Observe display

Adjust : Focus control of FBT

- 1) Tune the TV set to receive a Color Bar pattern.
- 2) Adjust Focus control of FBT for the best overall focus on the middle-left of the screen.

7. Screen Voltage Adjustment

Test Point : RK (Red Cathod of CPT Board)

Adjust : Screen Control of FBT

- 1) Tune the TV set to receive a Color Bar pattern.
- 2) Press the PSM button on the remote controller to set Standard mode (Standard mode: contrast-100%, brightness, color and sharpness-50%, tint-center)
- 3) Connect the probe of oscilloscope to the Rk (Red Cathod of CPT Board).
- 4) Adjust Screen Volume of FBT so that the waveform is the same as below Fig.3.

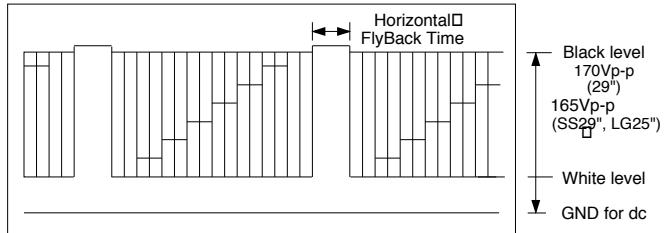
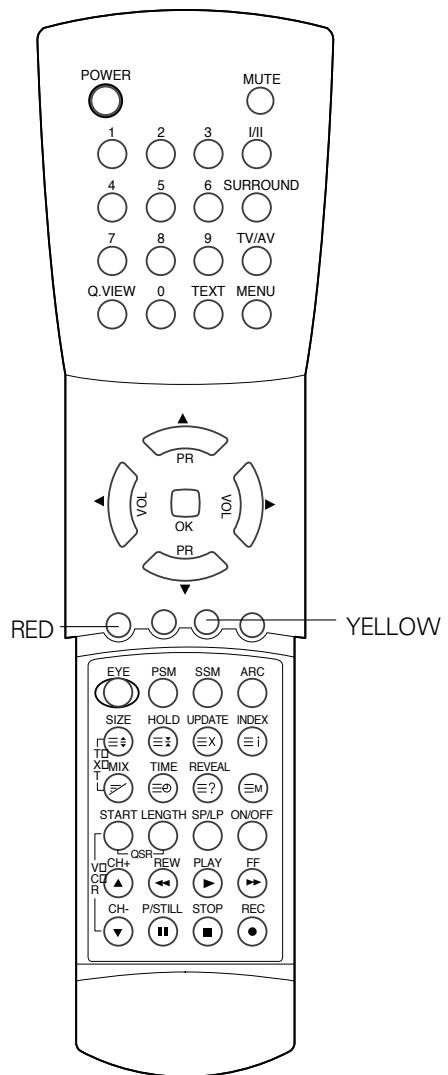


Fig. 3: The waveform at RK(Red Cathod) on CPT Board

8. White Balance (W/B) Adjustment

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

- 1) Tune the TV set to receive white pattern of PAL standard signal.
- 2) Adjust contrast, brightness for 45 ± 1 ft-L at the center area of screen.
- 3) Press the OK buttons on both of Control Board and Remote Controller at the same time.
- 4) Press the yellow button on the Remote Controller twice to select SVC-2 mode.
- 5) Press PR+ or PR- button for desirous function adjustment.
- 6) Adjust VOL+ or VOL- button for G Gain is 31.
- 7) Adjust VOL+ or VOL- button in each status of "R Gain-30"/"B Gain-28" for $X=281 \pm 8$, $Y=288 \pm 8$ with color analyzer.

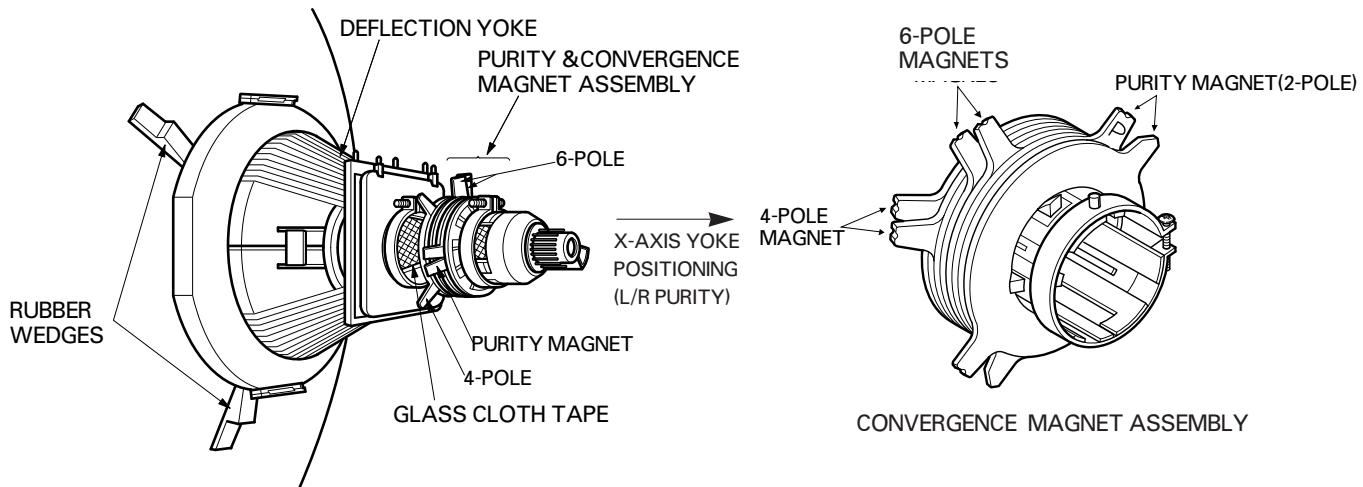


PURITY & CONVERGENCE ADJUSTMENT

Caution:

Convergence and Purity have been factory aligned. Do not attempt to tamper with these alignments. However, the effects of adjacent receiver components, or replacement of picture tube or deflection yoke may require the need to readjust purity any convergence.

5. Reconnect the internal degaussing coil.
6. Position the beam bender locking rings at the 9 o'clock position and the other three pairs of tabs (2,4 and 6 pole magnets) at the 12 o'clock position.



i Purity Adjustment

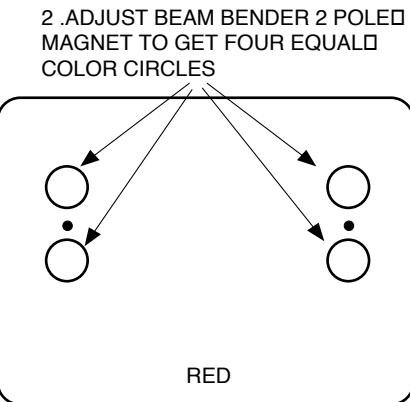
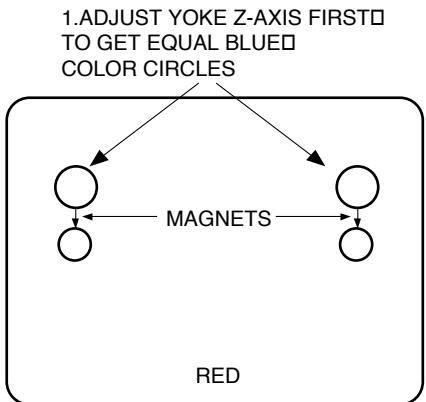
This procedure DOES NOT apply to bonded yoke and picture tube assemblies.

The instrument should be at room temperature (60 degrees F or above) for six (6) hours and be operating at low beam current (dark background) for approximately 20 to 30 minutes before performing purity adjustments.

CAUTION: Do not remove any trim magnets that may be attached to the bell of the picture tube.

1. Remove the AC power and disconnect the internal degaussing coil.
2. Remove the yoke from the neck of the picture tube.
3. If the yoke has the tape version beam bender, remove it and replace it with a adjustable type beam bender (follow the instructions provided with the new beam bender)
4. Replace the yoke on the picture tube neck, temporarily remove the three (3) rubber wedges from the bell of the picture tube and then slide the yoke completely forward.

7. Perform the following steps, in the order given, to prepare the receiver for the purity adjustment procedure.
 - a. Face the receiver in the "magnetic north" direction.
 - b. Externally degauss the receiver screen with the television power turned off.
 - c. Turn the television on for approximately 10 seconds to perform internal degaussing and then turn the TV off.
 - d. Unplug the internal degaussing coil. This allows the thermistor to cool down while you are performing the purity adjustment. DO NOT MOVE THE RECEIVER FROM ITS "MAGNETIC NORTH" POSITION.
 - e. Turn the receiver on and obtain a red raster by increasing the red bias control (CW) and decreasing the bias controls for the remaining two colors (CCW).
 - f. Attach two round magnets on the picture tube screen at 3 o'clock and 9 o'clock positions, approximately one (1) inch from the edge of the mask (use double-sided tape).



8. Referring to above, perform the following two steps:
 - a. Adjust the yoke Z-axis to obtain equal blue circles.
 - b. Adjust the appropriate beam bender tabs to obtain correct purity (four equal circles).
9. After correct purity is set, tighten the yoke clamp screw and remove the two screen magnets.
10. Remove the AC power and rotate the receiver 180 degrees (facing "magnetic south").
11. Reconnect the internal degaussing coil.
12. Turn the receiver on for 10 seconds (make sure the receiver came on) to perform internal degaussing, and then turn the receiver off.
13. Unplug the internal degaussing coil.
14. Turn on the receiver and check the purity by holding one (1) round magnet at the 3 o'clock and a second round magnet at 9 o'clock position. If purity is not satisfactory, repeat steps 8 through 14.
15. Turn off the receiver and reconnect the internal degaussing coil.

■ Convergence Adjustment

Caution: This procedure DOES NOT apply to bonded yoke and picture tube assemblies.

Do not use screen magnets during this adjustment procedure. Use of screen magnets will cause an incorrect display.

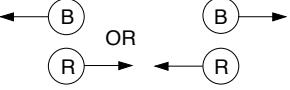
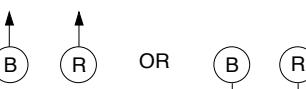
1. Remove AC power and disconnect the internal degaussing coil.
2. Apply AC Power and set the brightness to the Picture Reset condition. Set the Color control to minimum.
3. Apply 8V to the pin42 of IC501.
4. Adjust the Red, Green and Blue Bias controls to get a dim white line.

5. Remove the AC power and 8V from the pin42 of IC501.
6. Reconnect the internal degaussing coil and apply AC power.
7. Turn the receiver on for 10 seconds to perform internal degaussing and then turn the receiver off again.
8. Unplug the internal degaussing-coil.
9. Turn on the receiver, connect a signal generator to the VHF antenna terminal and apply a crosshatch signal.

Caution: During the convergence adjustment procedure, be very careful not to disturb the purity adjustment tabs are accidentally move, purity should be confirmed before proceeding with the convergence adjustments.

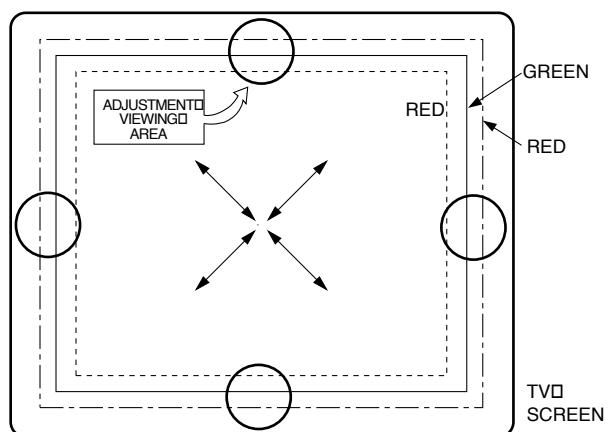
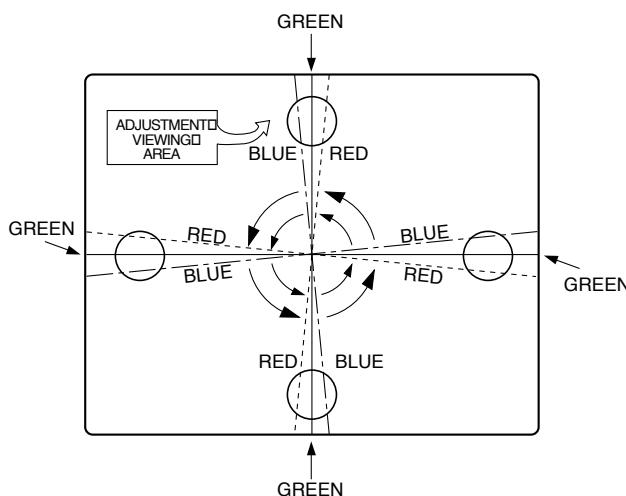
Note: Make sure the focus is set correctly on this instrument before proceeding with the following adjustment.

10. Converge the red and blue vertical lines to the green vertical line at the center of the screen by performing the following steps (below TABLE).
 - a. Carefully rotate both tabs of the 4-pole ring magnet simultaneously in opposite directions from the 12 o'clock position to converge the red and blue vertical lines.
 - b. Carefully rotate both tabs of the 6-pole ring magnet simultaneously in opposite directions form the 12 o'clock position to converge the red and blue (now purple) vertical lines with the green vertical line.
11. Converge the red and blue horizontal with the green line at the center of the screen by performing the following steps. (below TABLE)
 - a. Carefully rotate both tabs of the 4-pole ring magnet simultaneously in the same direction (keep the spacing between the two tabs the same) to converge the red and blue horizontal lines.
 - b. Carefully rotate both tabs of the 6-pole ring magnet simultaneously in same direction (keep the spacing between the two tabs the same) to converge the red and blue (now purple) horizontal lines with the green horizontal line.
 - c. Secure the tabs previously adjusted by locking them in place with the locking tabs on the beam bender.

RING PAIRS	ROTATION DIRECTION OF BOTH TABS	MOVEMENT OF RED AND BLUE BEAMS
4 POLE	OPPOSITE	
	SAME	
6 POLE	OPPOSITE	
	SAME	

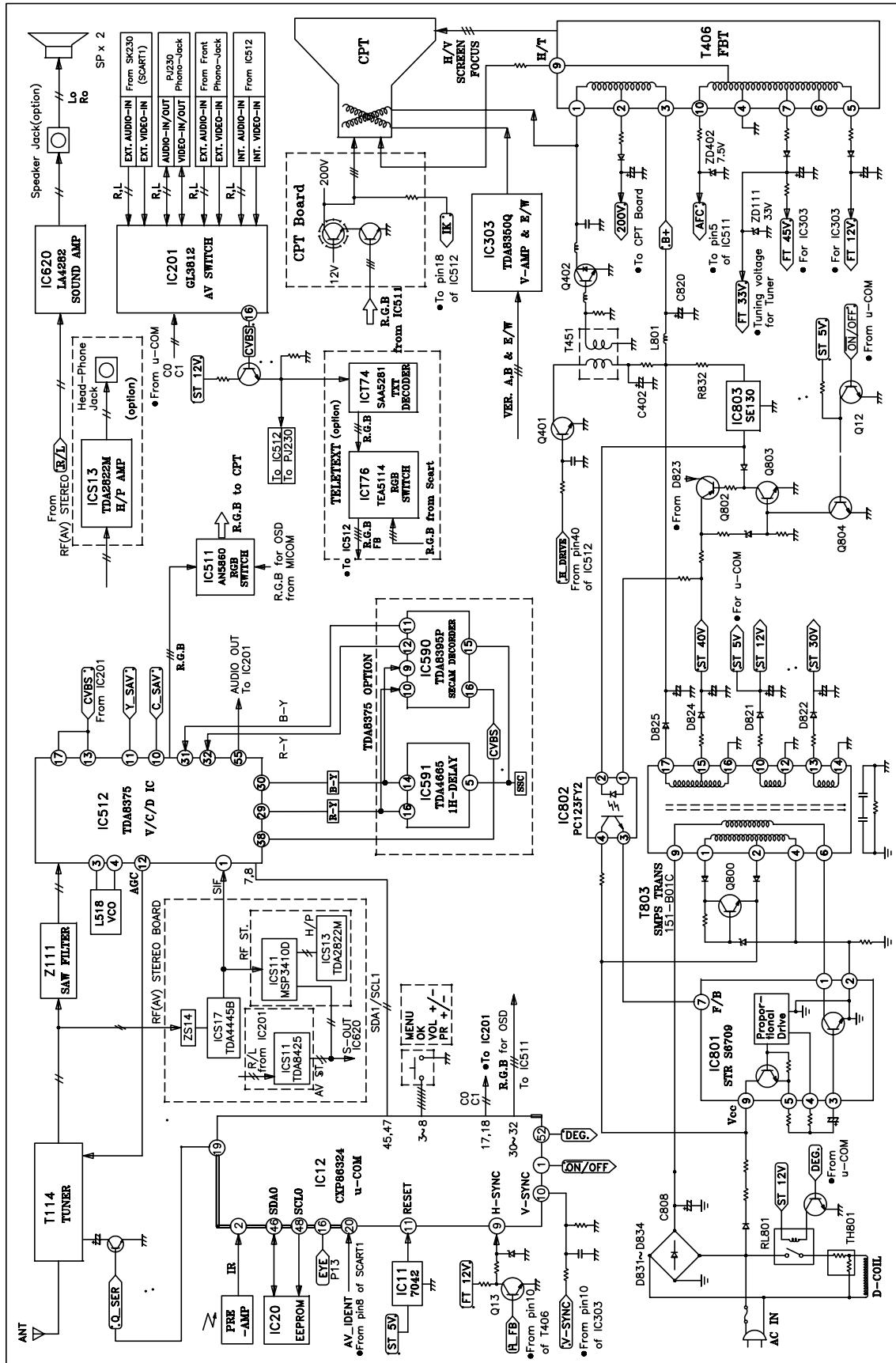
UP/DOWN ROCKING OF THE YOKE
CAUSES OPPOSITE ROTATION OF RED
AND BLUE RASTERS

LEFT/RIGHT ROCKING OF THE YOKE
CAUSES OPPOSITE SIZE CHANGE OF THE
RED AND BLUE RASTERS



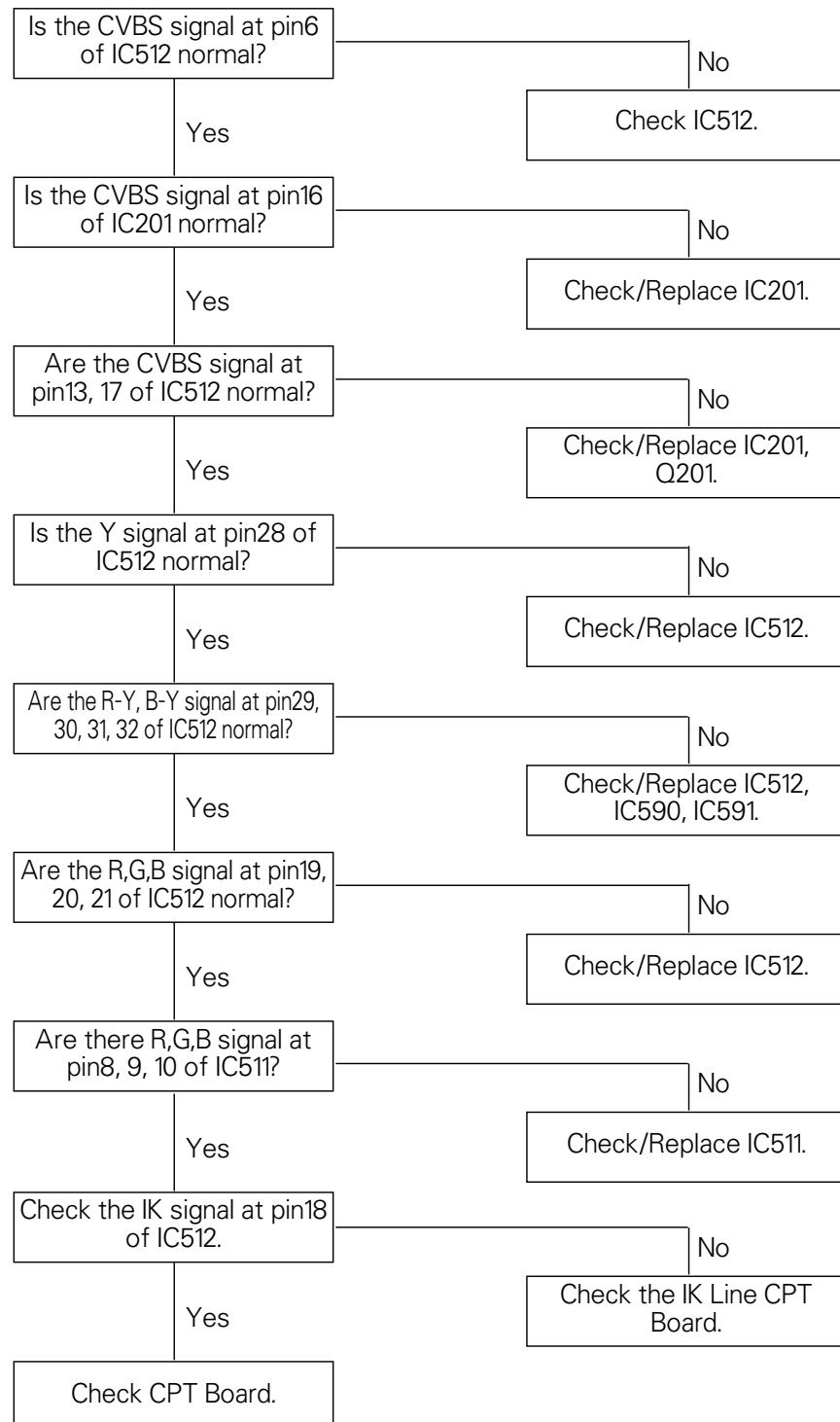
12. While watching the 6 o'clock positions on the screen, rock the front of the yoke in a vertical (up/down) direction to converge the red and blue vertical lines. (Fig upper left)
13. Temporarily place a rubber wedge at the 12 o'clock position to hold the vertical position of the yoke.
14. Check the 3 o'clock and 9 o'clock areas to confirm that the red and blue horizontal lines are converged. If the lines are not converged, slightly offset the vertical tilt of the yoke (move the rubber wedge if necessary) to equally balance the convergence error of the horizontal lines at 3 o'clock and 9 o'clock and the vertical lines at 6 o'clock and 12 o'clock.
15. Place a 1.5 inch piece of glass tape over the rubber foot at the rear of the 12 o'clock wedge.
16. While watching the 6 o'clock and 12 o'clock areas of the screen, rock the front of the yoke in the horizontal (left to right) motion to converge the red and blue horizontal lines. (Fig. upper right)
17. Temporarily place a rubber wedge at the 5 o'clock and 7 o'clock positions to hold the horizontal position of the yoke.
18. Check the 3 o'clock and 9 o'clock areas to confirm that the red and blue vertical lines are converged. If the lines are not converged, slightly offset the horizontal tilt of the yoke (move the temporary rubber wedges if necessary) to equally balance the convergence error of the horizontal lines at 6 o'clock and 12 o'clock and the vertical lines at 3 o'clock and 9 o'clock.
19. Using a round magnet confirm purity at the center, right and left sides and corners. See Purity Adjustment Procedure.
20. Reconfirm convergence and apply a 1.5 inch piece of glass tape over the rubber foot at the rear of the 5 o'clock and the 7 o'clock wedges.

BLOCK DIAGRAM

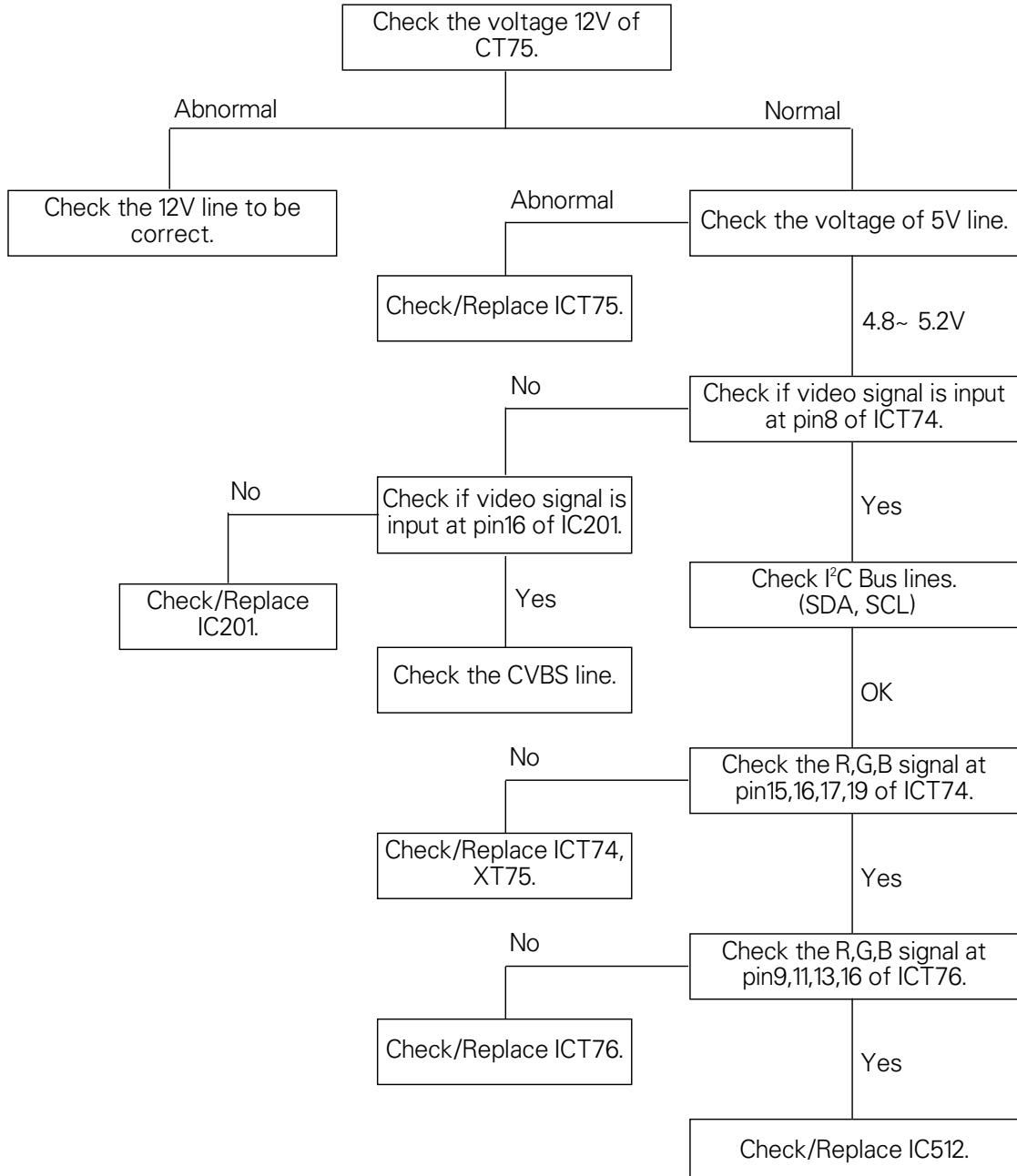


TROUBLESHOOTING

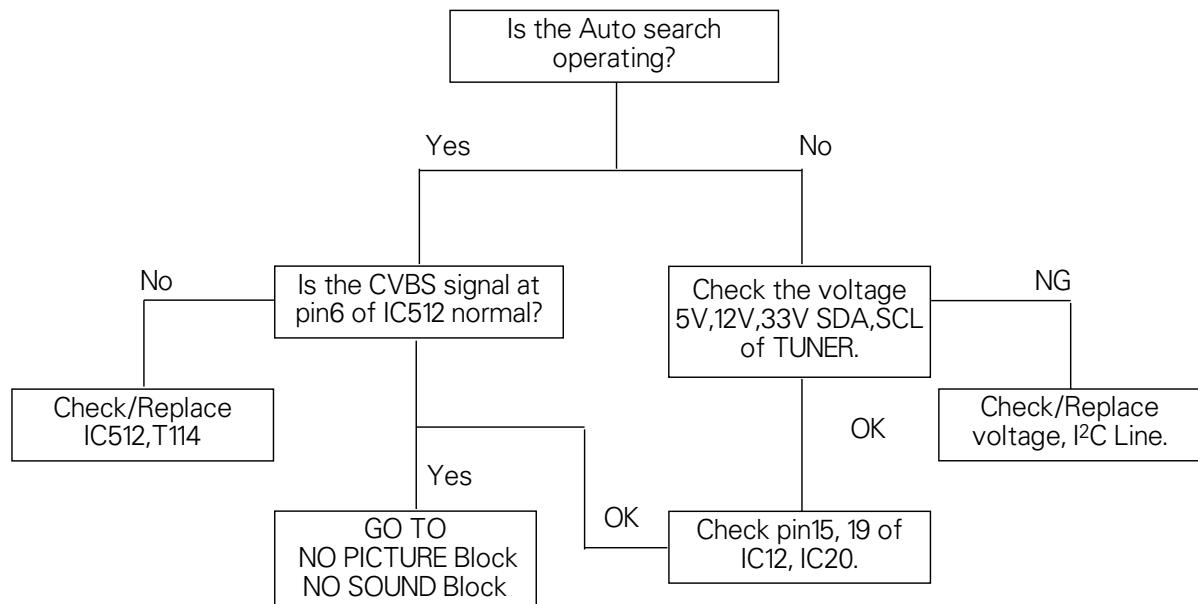
**NO PICTURE/
NO COLOR**



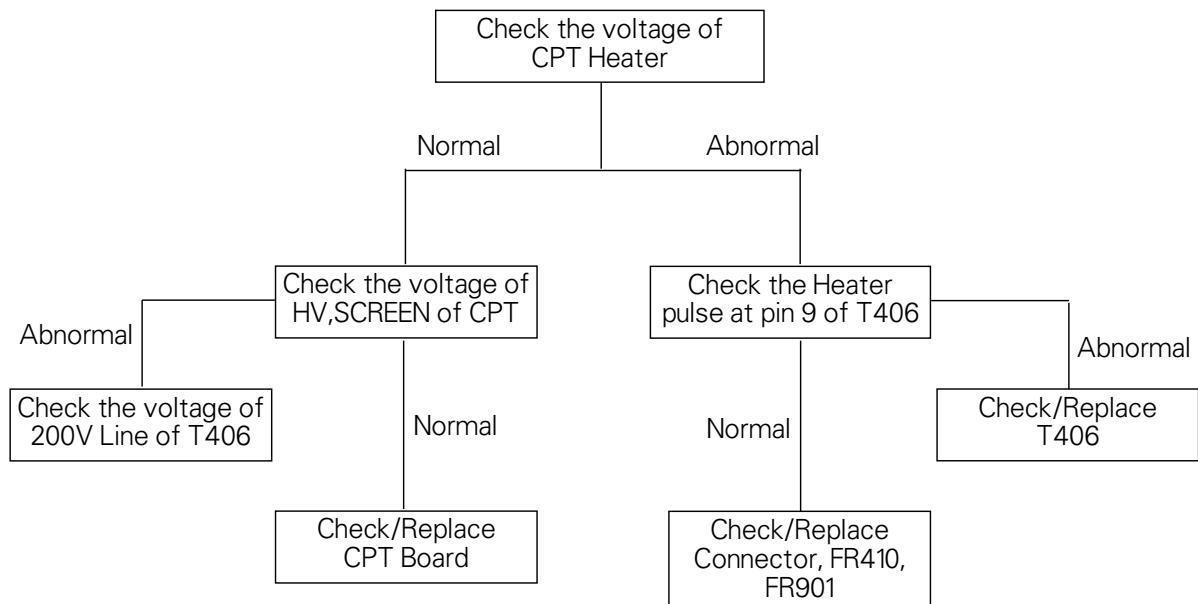
NO TELETEXT



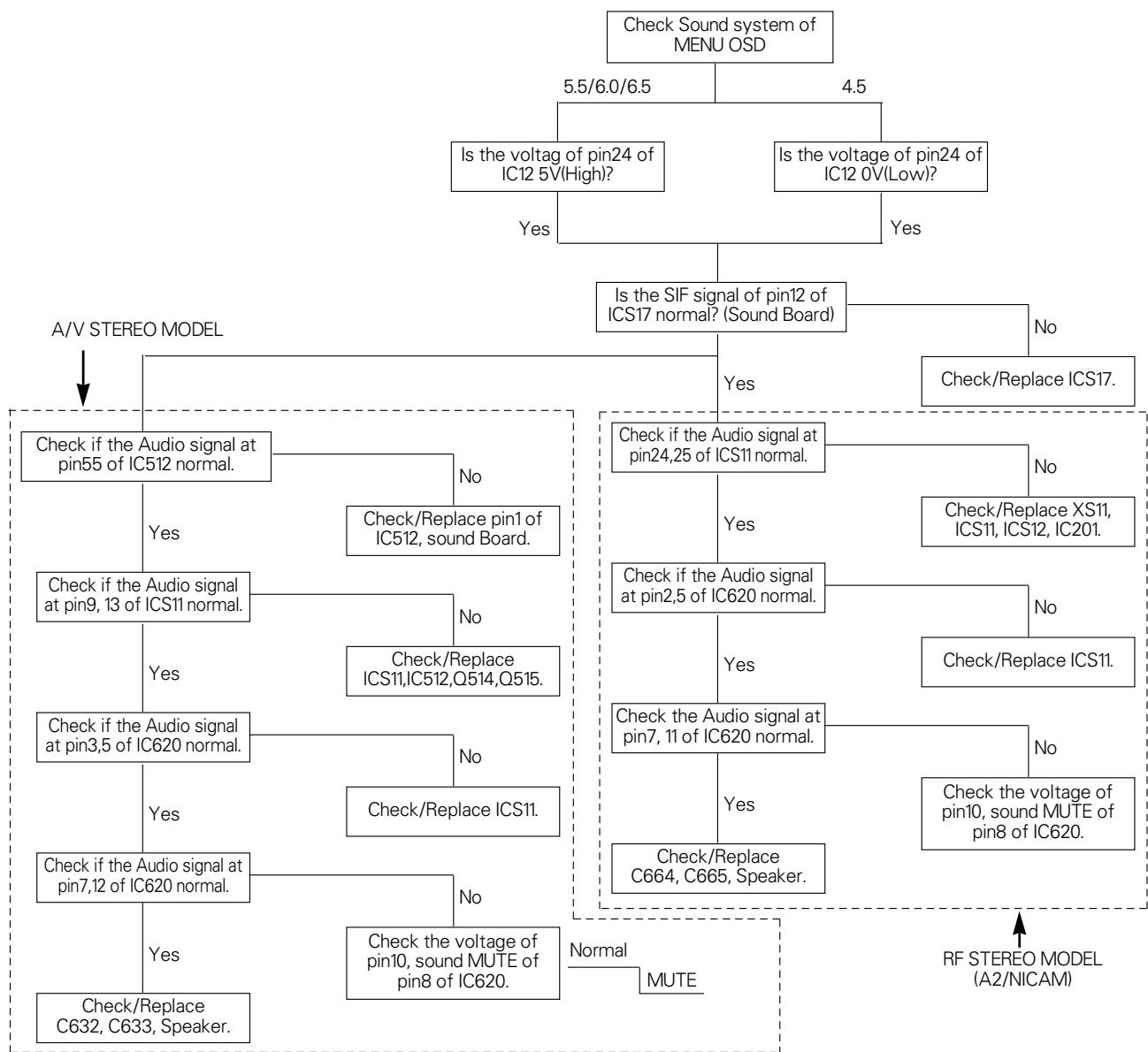
NO PICTURE/NO SOUND (RASTER OK)



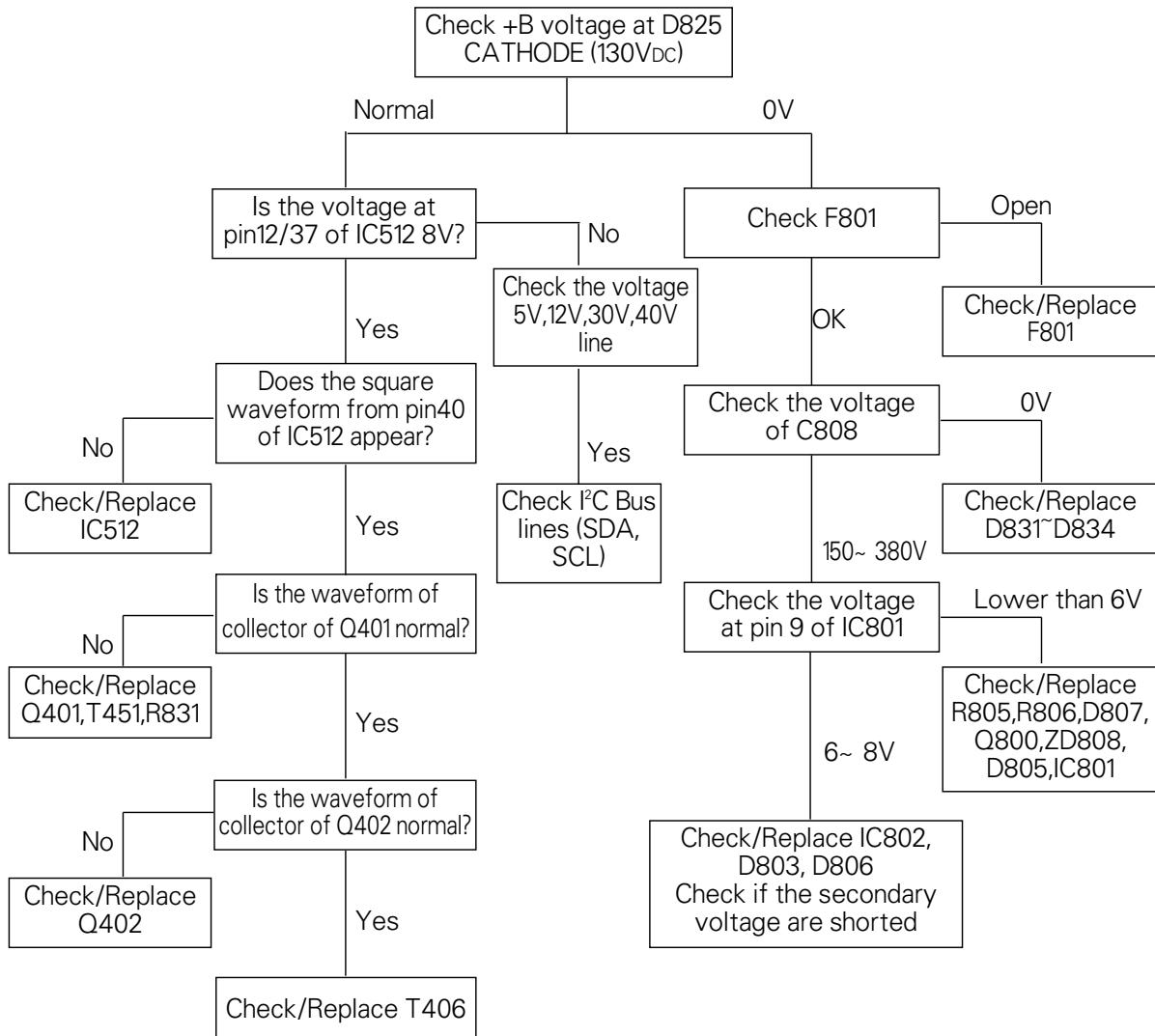
**NO RASTER
(SOUND OK)**



**NO SOUND
(PICTURE OK)**

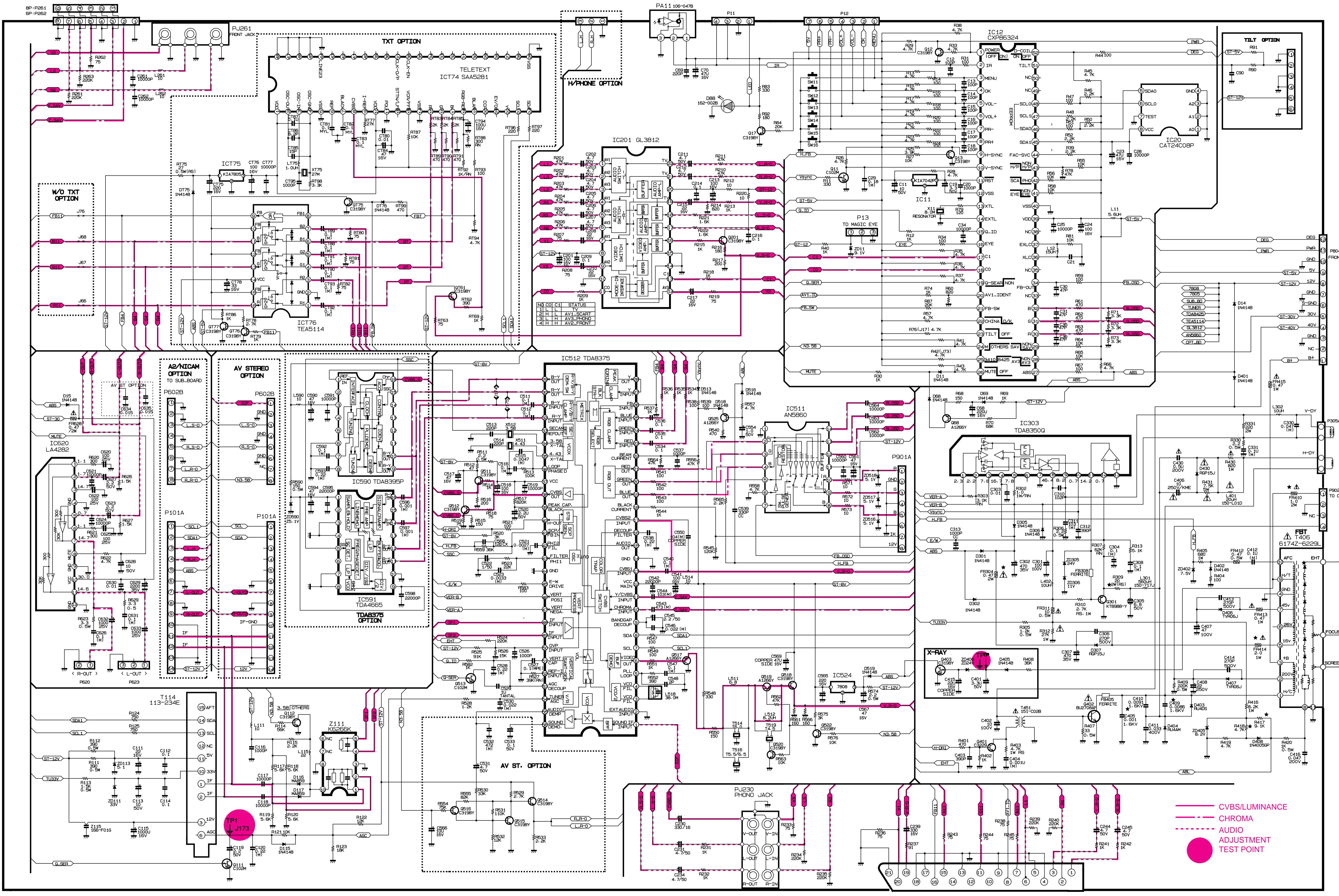


NO RASTER



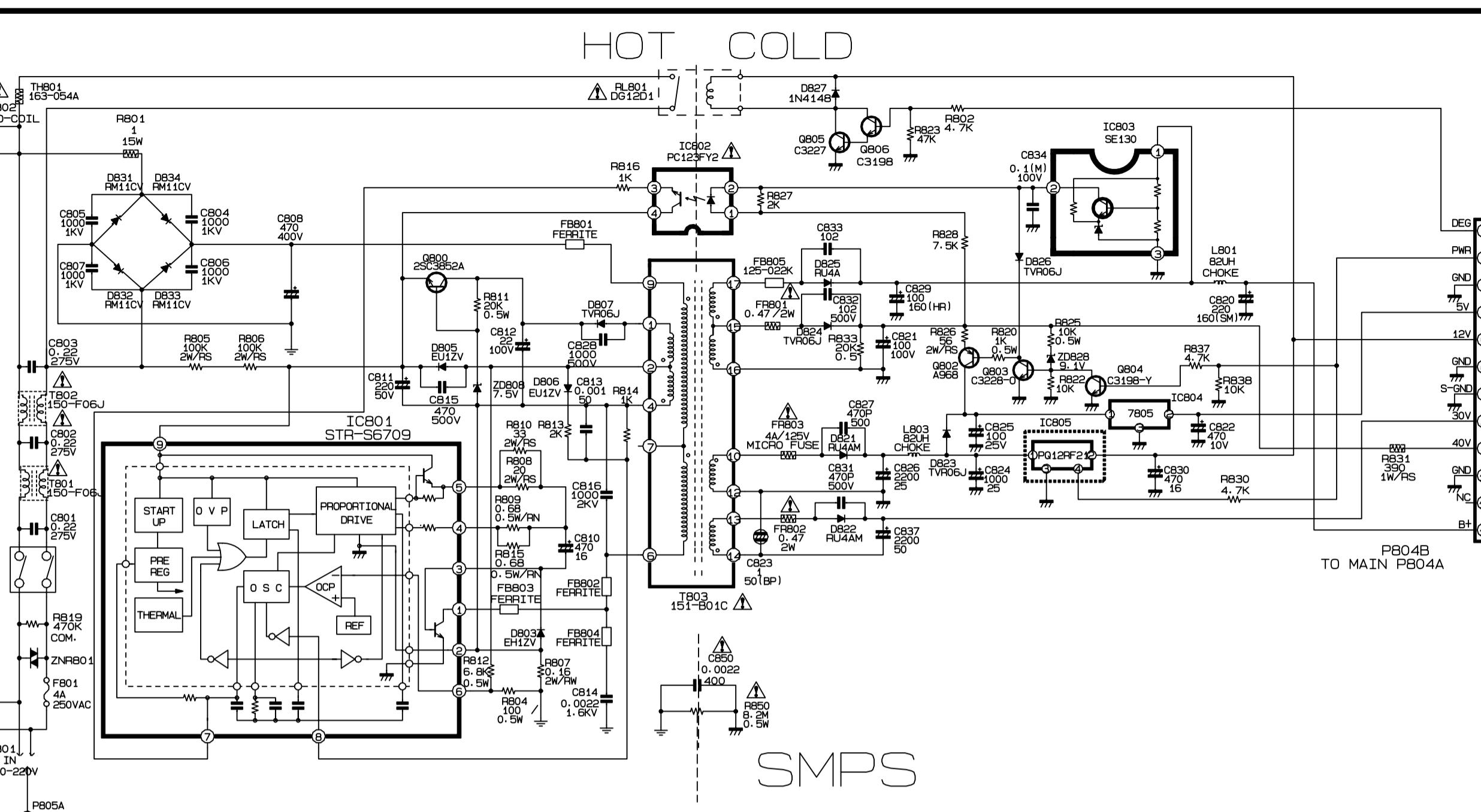
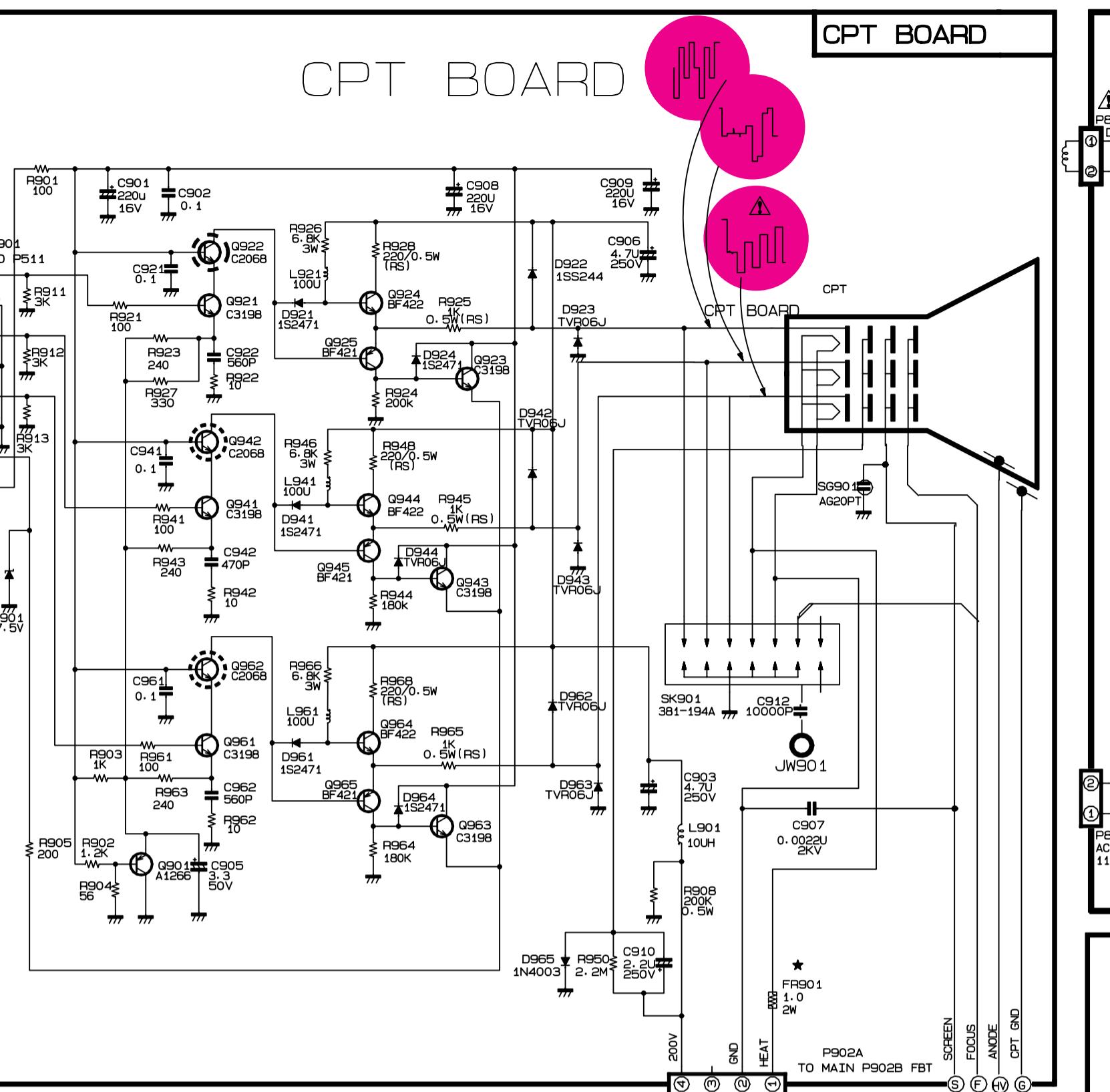
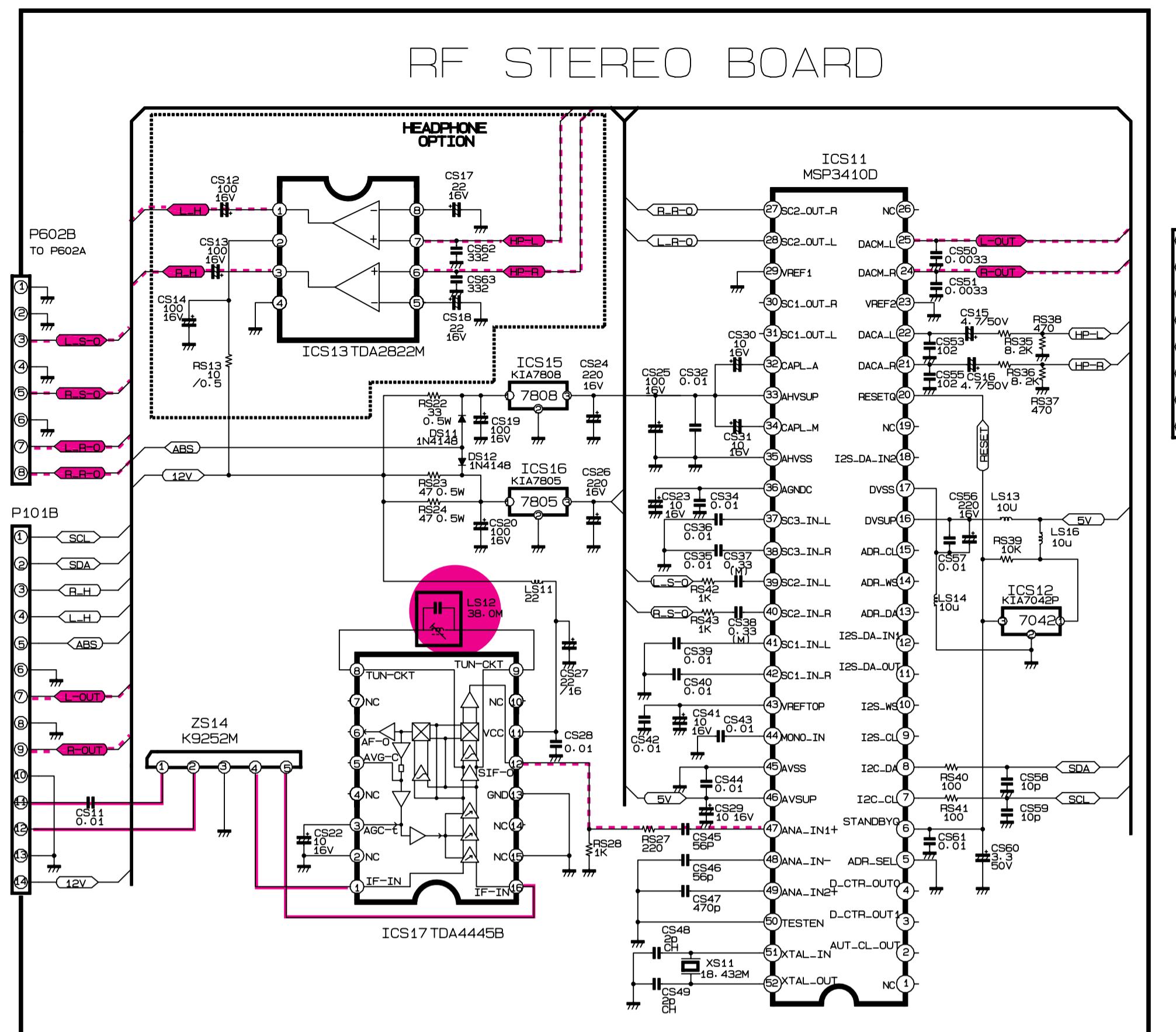
Service Sheet of MC-74A (1/2)

PART NO : 3854VA0018A-S1
DATE : Nov 24, '97

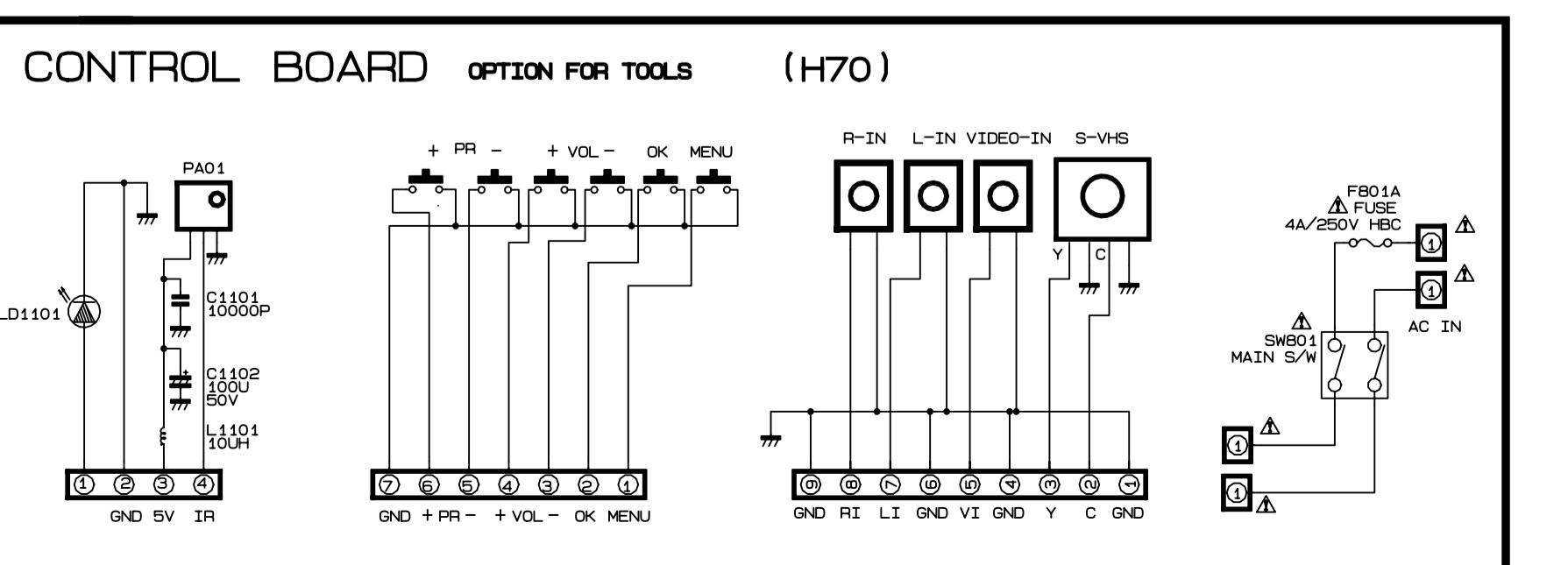
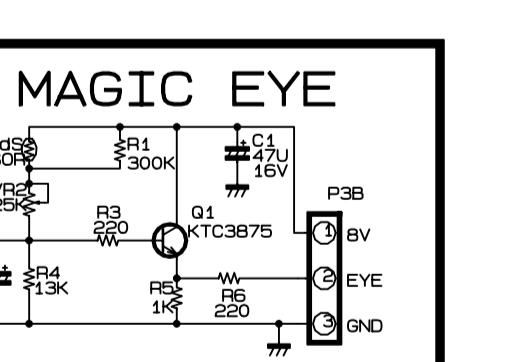
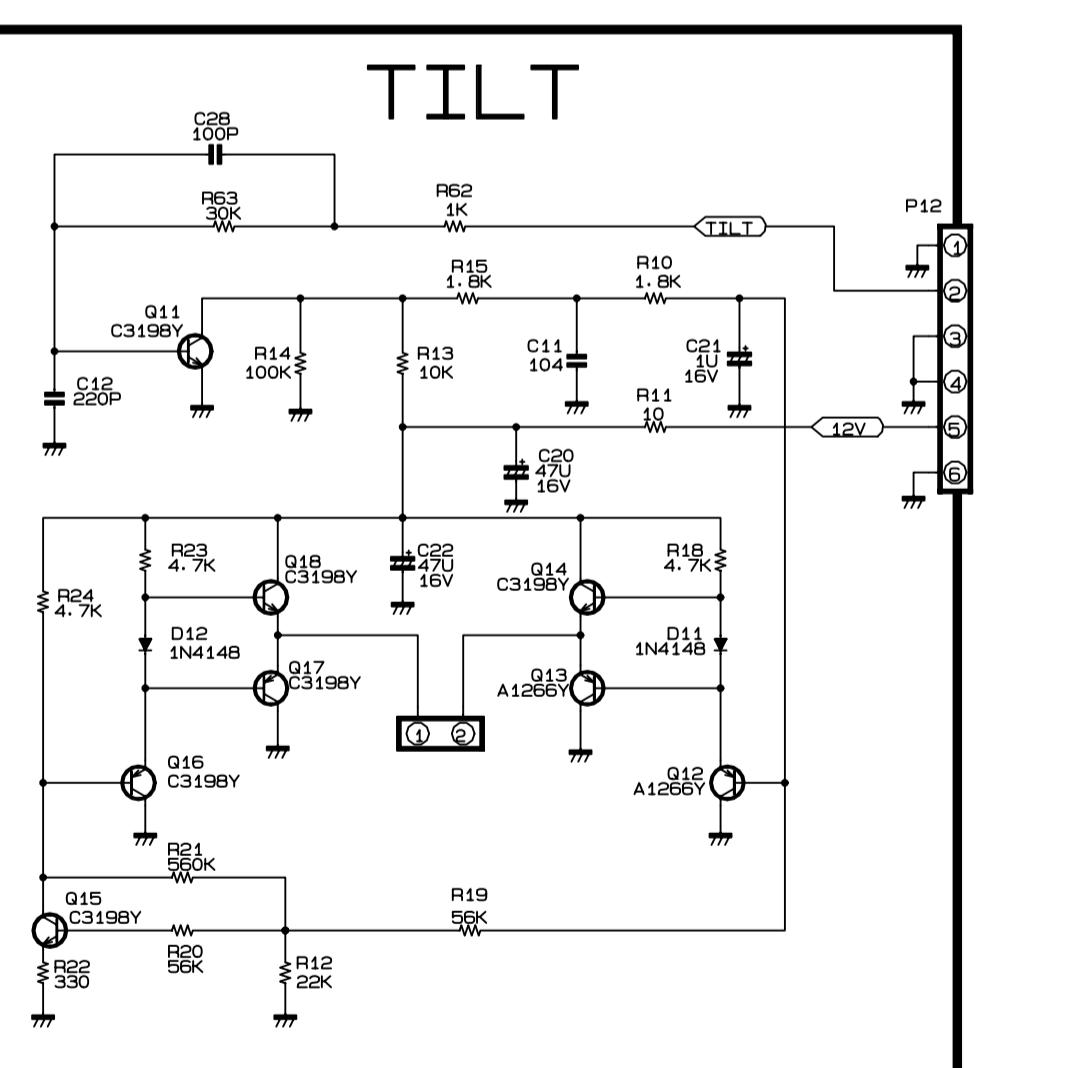
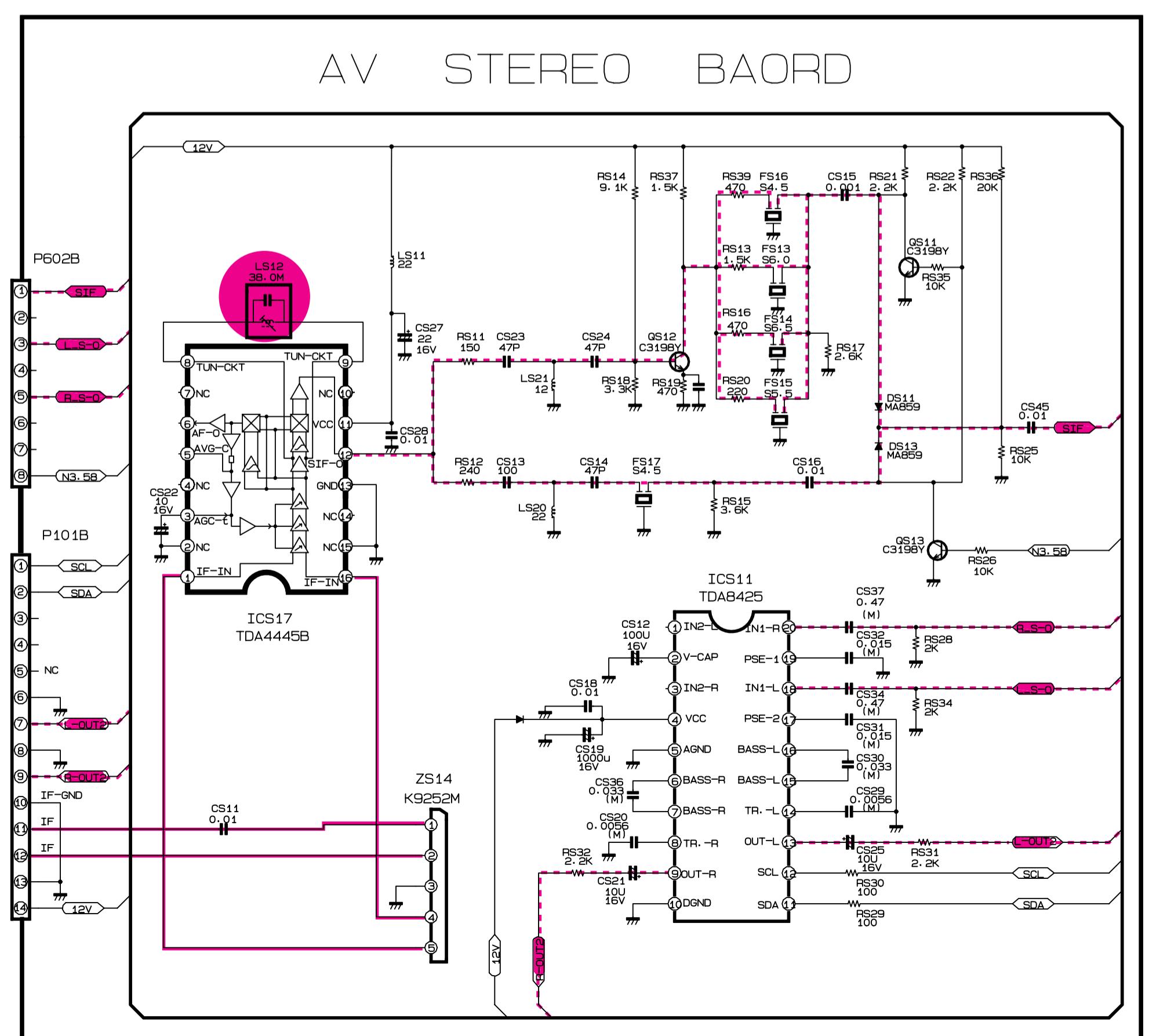


Service Sheet of MC-74A (2/2)

PART NO : 3854VA0018A-S2
DATE : Nov 24 , '97



E	FUNCTION
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
C	POWER
0	MUTE
E	PSM
0	VOL
1	VOL
2	EYE
6	SSM
0	PR
1	PR
2	Q. VIEW
3	I/II
4	SURROUND
5	OK
9	HOLD
A	TIME
8	SIZE
C	REVEAL
0	UPDATE
E	MIX
2	YELLOW
3	ARC
4	BLUE
5	INDEX
6	GREEN
7	RED
8	TV/AV
9	
C	TEXT



NOTICE

Since this is basic circuit diagram.
The value of components and some
partial connection are subject to
change for improvement without notice.

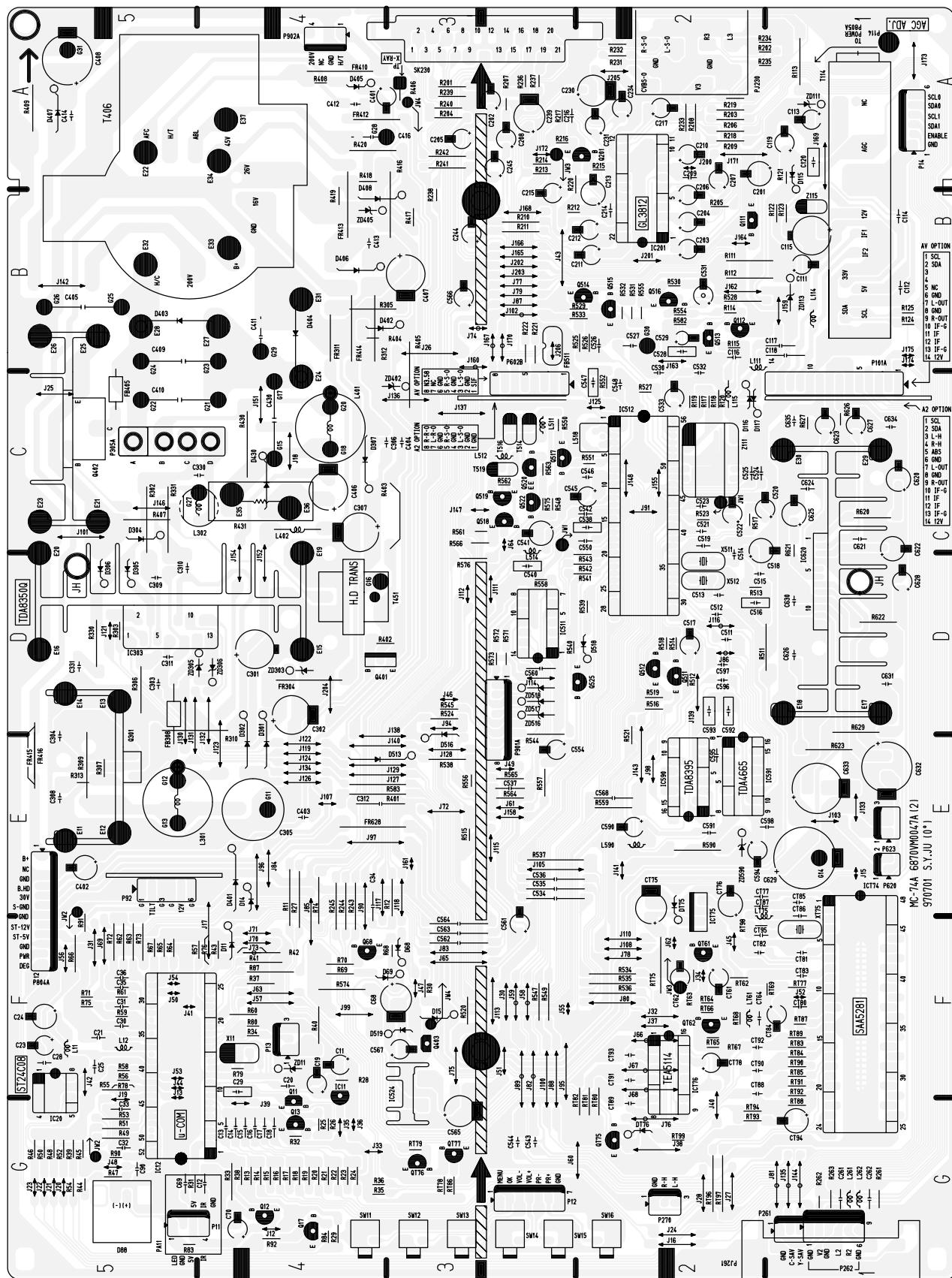
2. The schematic shown is representative only.
 3. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
 4. Check FINE TUNING, AGC, CONTRAST, BRIGHTNESS and COLOUR controls for best picture. make sure that COLOUR and BRIGHTNESS are in mid-point and CONTRAST is in 75%.
 5. Waveforms are taken using a standard colour signal.

★ INCH CONVERSION PARTS

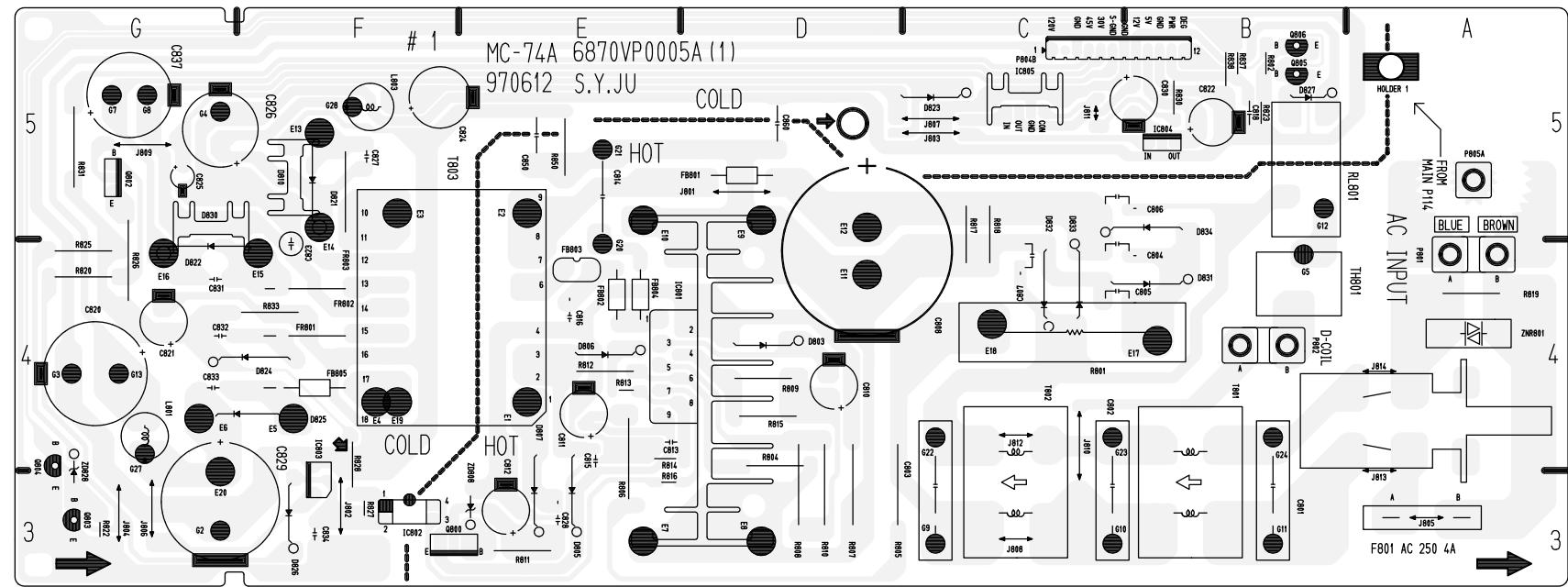
Value of resistor,
capacitor and inductor

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 mfd and the values
more than 1 in pF.
 3. Unless otherwise noted in schematic.
all inductor values more than 1
are expressed in uH and the values
less than 1 in Henry(H).

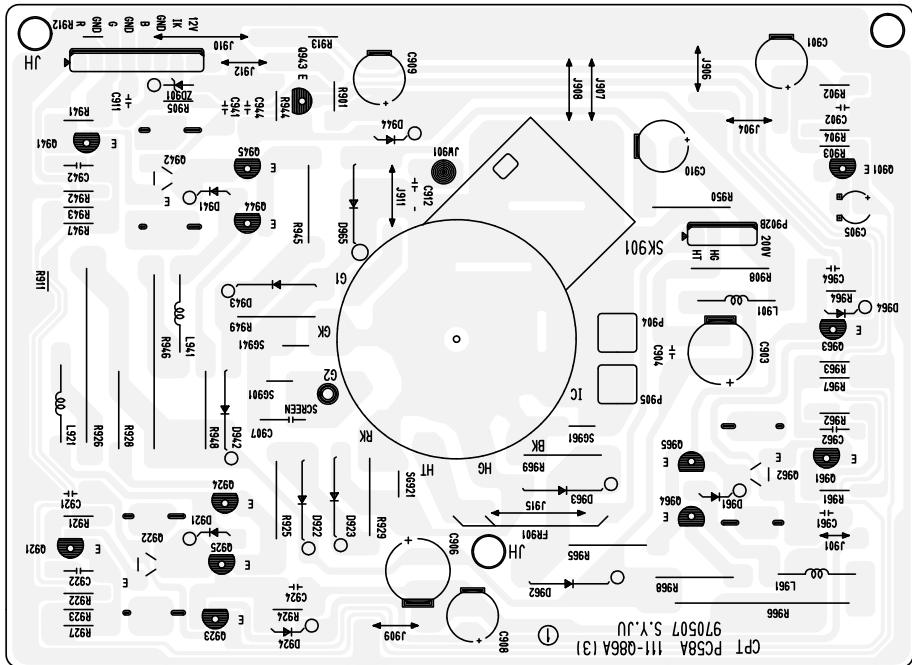
MAIN



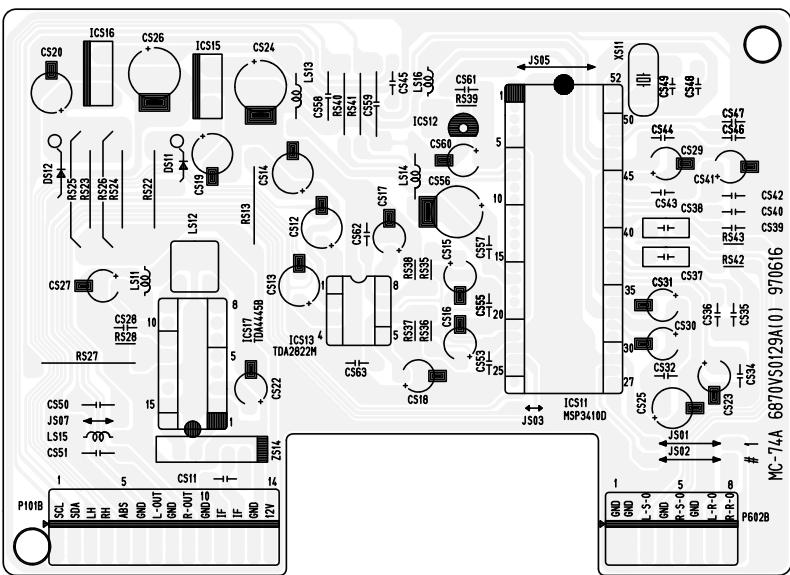
SMPs



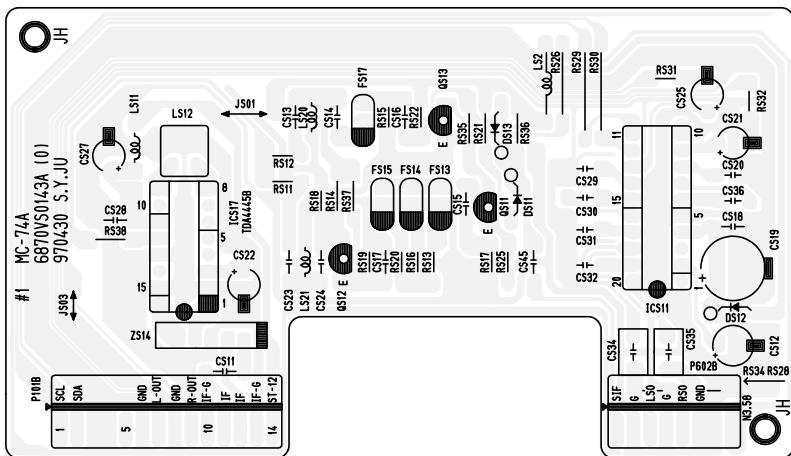
CPT



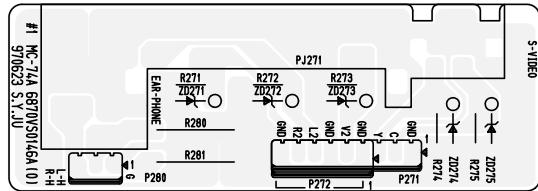
SUB Board (RF Stereo)-OPTION



SUB Board (A/V Stereo)-OPTION



Front A/V Board-OPTION



The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC					
ICT74	0IPH528100C	IC,SAA5281P/R TELETEXT DECODER	D805	ODD100009AM	DIODE EU1ZV
"	0IPH528100A	IC,SAA5281P/E TELETEXT DECODER(WEST)	D806	ODD100009AM	DIODE EU1ZV
ICT75	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A	D807	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
ICT76	0ISG511400A	IC,TEA5114	D821	ODD410000AD	DIODE RU4AM,LF-L1
IC11	0IKE704200B	IC,KIA7042P 3P 4.2V RESET	D822	ODD410000AD	DIODE RU4AM,LF-L1
IC12	0ISO873805B	IC,LG8738-05B(CXP86441-505S) 52SD	D823	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
"	0ISO873805A	IC,LG8738-05A(CSP86441-505S) 52SD *AV STEREO	D824	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
IC20	0IAL240800A	IC,AT24C08-10PC 8D EEPROM(8K,IIC)	D825	ODD410000AD	DIODE RU4AM,LF-L1
IC201	0IGS381200A	IC,GL3812(HA11518)	D826	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
IC303	0IPH835050A	IC,TDA8350Q/N5 13P,SIP BK V/DEF+E	D827	ODD414809ED	DIODE DS4148
IC511	0IMA586000A	IC,AN5860 14D ANALOG RGB S/W	D831	ODD110009DB	DIODE RM11CV 1.2A/1000V 100A
IC512	0IPH837500A	IC,TDA8375 56P,SDIP BK VCD&W/I/F 1	D832	ODD110009DB	DIODE RM11CV 1.2A/1000V 100A
IC524	0IKE780800A	IC,KIA7808PI 3P(TO-220IS) 1A,8V	D833	ODD110009DB	DIODE RM11CV 1.2A/1000V 100A
IC590	0IPH839530A	IC,TDA8395P/N3 16DIP BK SECAM DET	D834	ODD110009DB	DIODE RM11CV 1.2A/1000V 100A
IC591	0IPH466500B	IC,TDA4665-V4 16D 1H D/L(TAIWAN)	D921	ODD247109AA	DIODE 1S2471
IC620	0ISA428200A	IC,LA4282	D922	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
IC801	0ISK670900A	IC,STR/S6709 9S SMPS-CNTR	D923	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
\triangle IC802	0ISH123200B	IC,PC123 FY2PHOTO COUPLER	D924	ODD247109AA	DIODE 1S2471
IC803	0ISK130000A	IC,SE130N 3P 130V ERROR AMP	D941	ODD247109AA	DIODE 1S2471
IC804	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A	D942	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
IC805	0ISH122100A	IC,PQ12RF21 4P(TO-220) 12V S/W RE	D943	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
DIODE					
DT75	ODD414809ED	DIODE DS4148	D944	ODD247109AA	DIODE 1S2471
DT76	ODD414809ED	DIODE DS4148	D945	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
D11	ODD414809ED	DIODE DS4148	D961	ODD247109AA	DIODE 1S2471
D115	ODD414809ED	DIODE DS4148	D962	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
D116	ODD859009AA	DIODE SILICON MA859 TAPING	D963	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS
D117	ODD859009AA	DIODE SILICON MA859 TAPING	D964	ODD247109AA	DIODE 1S2471
D14	ODD414809ED	DIODE DS4148	D965	ODD400309AD	DIODE IN4003A RECT
D15	ODD414809ED	DIODE DS4148	LD1101	162-002B	DIODE LED ASSY (MC51A,M-8.9)
D301	ODD414809ED	DIODE DS4148	ZD11	0DZ910009BA	DIODE ZENER MTZ9.1B
D302	ODD414809ED	DIODE DS4148	ZD111	0DZ330009BA	DIODE ZENER HZT33
D305	ODD414809ED	DIODE DS4148	ZD113	0DZ510009AB	DIODE ZENER MTZ5.1B
D306	ODD414809ED	DIODE DS4148	ZD305	0DZ240009BB	DIODE ZENER MTZ24B
D307	ODD150009CA	DIODE RGP15J	ZD306	0DZ110009AA	DIODE ZENER MTZ 11B
D401	ODD414809ED	DIODE DS4148	ZD402	0DZ750009AA	DIODE ZENER MTZ7.5B
D402	ODD414809ED	DIODE DS4148	ZD405	0DZ820009AA	DIODE ZENER MTZ8.2B
D403	ODD410000AC	DIODE RU4DS,LF-L1	ZD516	0DZ510009AB	DIODE ZENER MTZ5.1B
D404	ODD410000AD	DIODE RU4AM,LF-L1	ZD517	0DZ510009AB	DIODE ZENER MTZ5.1B
D406	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS	ZD518	0DZ510009AB	DIODE ZENER MTZ5.1B
D407	ODD060009AC	DIODE TVR06J 0.6A/600V 250NS	ZD590	0DZ510009AB	DIODE ZENER MTZ5.1B
D408	ODD400509AA	DIODE 1N4005 GP	ZD808	0DZ750009AA	DIODE ZENER MTZ7.5B
\triangle D430	ODD150009CA	DIODE RGP15J	ZD828	0DZ910009BA	DIODE ZENER MTZ9.1B
D513	ODD414809ED	DIODE DS4148	ZD901	0DZ750009AA	DIODE ZENER MTZ7.5B
D516	ODD414809ED	DIODE DS4148	TRANSISTOR		
D518	ODD414809ED	DIODE DS4148	QT61	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
D519	ODD414809ED	DIODE DS4148	QT75	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
D68	ODD414809ED	DIODE DS4148	QT76	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
D69	ODD414809ED	DIODE DS4148	QT77	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
D803	ODD100009AL	DIODE EH-1ZV	Q11	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
			Q111	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC
			Q112	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
			Q12	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
			Q13	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
Q17	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	CT86	0CX8R20K509	C,TUBULA(T.C) 8.2P 50V K
Q201	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	CT87	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
Q301	0TR988000AC	TR,KTB988-Y,W/A(KTB834),KEC	CT88	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
Q401	0TR322900AA	TR,KTC3229 (KTC2068),KEC	CT89	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
Δ Q402	0TR270800AA	TR,BU2708AF BK PHILIPS	CT90	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
Q511	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	CT91	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
Q512	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	CT92	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
Q513	0TR102009AB	TR,KRC102M,TP(KRC1202),KEC	CT93	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L
Q514	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC *AV STEREO	CT94	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
Q515	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC *AV STEREO	CT95	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
Q516	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC *AV STEREO	C11	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
Q517	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC	C1101	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
Q518	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C1102	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
Q519	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC	C111	0CE226DF618	C,ELECTROLYTIC 22UF STD 16V M
Q520	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C112	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
Q522	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C113	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M
Q525	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC	C114	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
Q68	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC	C115	0CE108DF618	C,ELECTROLYTIC 1000UF STD 16V M
Q800	0TR385200AA	TR,2SC3852A SANKEN	C116	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
Q802	0TR968000AA	TR,KTA968A-Y KEC	C117	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
Q803	0TR322809AA	TR,KTC3228-0 TP(KTC2383),KEC	C118	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
Q804	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C119	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M
Q805	0TR322709AA	TR,KTC3227-Y,TP(KTC1627A),KEC	C12	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q806	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C120	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
Q901	0TR126609AA	TR,KTA1266-TP-Y (KTA1015) KEC	C13	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q921	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C14	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q922	0TR322900AA	TR,KTC3229 (KTC2068),KEC	C15	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q923	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C16	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q924	0TR422009CB	TR,BF422L(AMMO)TO-92 TP PHILIPS	C17	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q925	0TR421009CB	TR,BF421L(AMMO)TO-92 TP PHILIPS	C18	0CN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K
Q941	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C19	0CE335DK618	C,ELECTROLYTIC 3.3UF STD 50V M
Q942	0TR322900AA	TR,KTC3229 (KTC2068),KEC	C20	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
Q943	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C201	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
Q944	0TR422009CB	TR,BF422L(AMMO)TO-92 TP PHILIPS	C202	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
Q945	0TR421009CB	TR,BF421L(AMMO)TO-92 TP PHILIPS	C203	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
Q961	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C204	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
Q962	0TR322900AA	TR,KTC3229 (KTC2068),KEC	C205	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
Q963	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC	C206	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
Q964	0TR422009CB	TR,BF422L(AMMO)TO-92 TP PHILIPS	C207	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
Q965	0TR421009CB	TR,BF421L(AMMO)TO-92 TP PHILIPS	C208	0CE226DF618	C,ELECTROLYTIC 22UF STD 16V M
CAPACITOR			C209	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
CT75	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M	C210	0CE226DF618	C,ELECTROLYTIC 22UF STD 16V M
CT76	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M	C211	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
CT77	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C212	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
CT78	0CE336DF618	C,ELECTROLYTIC 33UF STD 16V M	C213	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
CT80	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C214	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
CT81	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C215	0CE226DF618	C,ELECTROLYTIC 22UF STD 16V M
CT82	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C216	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
CT83	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C217	0CE226DF618	C,ELECTROLYTIC 22UF STD 16V M
CT84	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M	C218	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
CT85	0CC1500K415	C,CERAMIC(TEMP COMP) 15P 50V J	C219	0CE337DF618	C,ELECTROLYTIC 330UF STD 16V M
			C220	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C221	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C222	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C223	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C224	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C225	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C226	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C227	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C228	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C229	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C230	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M
			C231	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C234	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M	C518	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C239	0CE337DF618	C,ELECTROLYTIC 330UF STD 16V M	C519	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C24	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M	C520	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M
C244	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M	C521	0CQ2721N409	C,POLYESTER(MYLAR) 2700PF 100V J
C245	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M	C522	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C25	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C523	0CQ3321N509	C,POLYESTER(MYLAR) 0.0033U 100V K
C261	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C526	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
C262	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C527	0CQ1041N455	C,POLYESTER(MYLAR) 0.1000UF 100V J
C28	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C528	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C29	0CQ1842K439	C,POLYESTER(MYLAR) 0.1800UF S 50V J	C529	0CSZVTA001C	C,TANTALUM
C30	0CX4700K409	C,TUBULA(T.C) 47PF 50V J	C530	0CQ2231N509	C,POLYESTER(MYLAR) 0.022MF 100V K
C301	0CE107DN618	C,ELECTROLYTIC 100UF STD 100V M	C531	0CE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M *AV STEREO
C302	0CE477DJ618	C,ELECTROLYTIC 470UF STD 35V M	C532	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C303	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z	"	0CQ4721N509	C,POLYESTER(MYLAR) 0.0047U 100V K *AV STEREO
C304	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C533	0CE104DK618	C,ELECTROLYTIC 0.1UF STD 50V M
C305	0CE6851K652	C,ELECTROLYTIC 6.8000UF SM 50V M	"	0CE106DF618	C,ELECTROLYTIC 10UF STD 16V M *AV STEREO
C306	0CK2710W515	C,CERAMIC(HIGH DIELE) 270P 500V K	C534	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C307	0CE477DJ618	C,ELECTROLYTIC 470UF STD 35V M	C535	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C308	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C536	0CN1040K949	C,TUBULA(HIGH DIELE) 0.1M 50V Z
C31	0CX4700K409	C,TUBULA(T.C) 47PF 50V J	C537	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
C310	0CK1020W515	C,CERAMIC(HIGH DIELE) 1000PF 500V K	C538	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C311	0CQ1031N509	C,POLYESTER(MYLAR) 0.01U 100V K	C539	0CC2210K405	C,CERAMIC(TEMP COMP) 220P 50V J
C312	0CN5610K519	C,TUBULA(HIGH DIELE) 560P 50V K	C540	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C32	0CX4700K409	C,TUBULA(T.C) 47PF 50V J	C541	0CE107DF618	C,ELECTROLYTIC 100UF STD 16V M
C33	0CX4700K409	C,TUBULA(T.C) 47PF 50V J	C542	0CN2230H949	C,TUBULA(HIGH DIELE) 22000P 25V Z F
C330	0CQ4731N509	C,POLYESTER(MYLAR) 0.047U 100V K	C543	0CQ4731N509	C,POLYESTER(MYLAR) 0.047U 100V K
C331	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C544	0CQ1031N509	C,POLYESTER(MYLAR) 0.01U 100V K
C34	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C545	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M
C35	0CX4700K409	C,TUBULA(T.C) 47PF 50V J	C546	0CQ2231N509	C,POLYESTER(MYLAR) 0.022MF 100V K
C36	0CX4700K409	C,TUBULA(T.C) 47PF 50V J	C547	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C402	0CE106DN618	C,ELECTROLYTIC 10UF STD 100V M	C548	0CC0200K115	C,CERAMIC(TEMP COMP) 2P 50V D
C403	0CK3910K515	C,CERAMIC(HIGH DIELE) 390P 50V K	C550	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C404	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K	C554	0CE105DK618	C,ELECTROLYTIC 1UF STD 50V M
C405	181-011B	CAPACITOR PP 1600V 0.001UF J	C560	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
Δ C406	0CE106BR618	C,ELECTROLYTIC 10UF KME 250V M	C561	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C407	0CE476DN618	C,ELECTROLYTIC 47UF STD 100V M	C562	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C408	0CE2261R618	C,ELECTROLYTIC 22M SM 250V M	C563	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
Δ C409	181-014L	C,MPP 1600V 0.0086UF J	C564	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
Δ C410	181-014M	C,MPP 1600V 0.0091UF J	C565	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M
C411	181-005J	C,POLYESTOR 400V 0.033UF K	C566	0CE106DF618	C,ELECTROLYTIC 10UF STD 16V M *AV STEREO
C412	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C567	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C413	0CK2710W515	C,CERAMIC(HIGH DIELE) 270P 500V K	C568	0CX1200K409	C,TUBULA(T.C) 12PF 50V J
C414	0CK2710W515	C,CERAMIC(HIGH DIELE) 270P 500V K	C569	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C416	181-009V	C,PP 200V 0.047UF K	C590	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
Δ C430	181-013G	C,MPP 200V 0.5UF J	C591	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C511	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C592	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J
C512	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C593	0CQ2242K439	C,POLYESTER(MYLAR) 0.22UF S 50V J
C513	0CC2210K415	C,CERAMIC(TEMP COMP) 220P 50V J NPO TP	C594	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M
C514	0CC2210K415	C,CERAMIC(TEMP COMP) 220P 50V J NPO TP	C595	0CN2230H949	C,TUBULA(HIGH DIELE) 22000P 25V Z F
C515	0CQ4721N509	C,POLYESTER(MYLAR) 0.0047U 100V K	C596	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K
C516	0CQ1042K439	C,POLYESTER(MYLAR) 0.1UF S 50V J	C597	0CQ1021N509	C,POLYESTER(MYLAR) 0.001U 100V K
C517	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M	C598	0CN2230H949	C,TUBULA(HIGH DIELE) 22000P 25V Z F

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C620	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M	C903	0CE475DR618	C,ELECTROLYTIC 4.7UF STD 250V M
C621	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C905	0CE335DK618	C,ELECTROLYTIC 3.3UF STD 50V M
C622	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M	C906	0CE475DR618	C,ELECTROLYTIC 4.7UF STD 250V M
C623	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M	C907	181-033T	CAPACITOR 2KV B 222K TP7.5
C624	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	C908	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M
C625	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M	C909	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M
C626	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C910	0CE225DR618	C,ELECTROLYTIC 2.2UF STD 250V M
C627	0CE225DK618	C,ELECTROLYTIC 2.2UF STD 50V M	C912	0CN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
C628	0CE106DK618	C,ELECTROLYTIC 10UF STD 50V M	C921	0CK1040K945	C,CERAMIC(HIGH DIELE) 0.1M 50V Z
C629	0CE228DJ650	C,ELECTROLYTIC 2200UF STD 35V M	C922	0CN5610K519	C,TUBULA(HIGH DIELE) 560P 50V K
C630	0CK1030K945	C,CERAMIC(HIGH DIELE) 0.01MF 50V Z	C924	0CC1000K115	C,CERAMIC(TEMP COMP) 10PF 50V D
C631	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	C941	0CK1040K945	C,CERAMIC(HIGH DIELE) 0.1M 50V Z
C632	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M	C942	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
C633	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M	C944	0CC1000K115	C,CERAMIC(TEMP COMP) 10PF 50V D
C634	0CQ1531N509	C,POLYESTER(MYLAR) 0.015U 100V K *AV STEREO	C961	0CK1040K945	C,CERAMIC(HIGH DIELE) 0.1M 50V Z
C635	0CQ1531N509	C,POLYESTER(MYLAR) 0.015U 100V K *AV STEREO	C962	0CN5610K519	C,TUBULA(HIGH DIELE) 560P 50V K
C68	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M	C964	0CC1000K115	C,CERAMIC(TEMP COMP) 10PF 50V D
C70	0CE476DF618	C,ELECTROLYTIC 47UF STD 16V M	CORE		
C801	0CQZVBK002C	C,POLYESTER A.C 275V 0.22UF K	FB308	125-022K	CORE,FERRITE 1UH
Δ C802	0CQZVBK002C	C,POLYESTER A.C 275V 0.22UF K	FB405	125-022K	CORE,FERRITE 1UH
C803	0CQZVBK002C	C,POLYESTER A.C 275V 0.22UF K	FB511	125-123A	CORE,FERRITE BFD3565R2F
C804	181-091D	C,DE0905 R 102K 1KV	FB801	125-022K	CORE,FERRITE 1UH
C805	181-091D	C,DE0905 R 102K 1KV	FB802	125-022K	CORE,FERRITE 1UH
C806	181-091D	C,DE0905 R 102K 1KV	FB803	125-123A	CORE,FERRITE BFD3565R2F
C807	181-091D	C,DE0905 R 102K 1KV	FB804	125-022K	CORE,FERRITE 1UH
C808	181-001U	C,ELECTROLYTIC 450V 470UF M	FB805	125-022K	CORE,FERRITE 1UH
C810	0CE477DF618	C,ELECTROLYTIC 470UF STD 16V M	COIL & TRANSFORMER		
C811	0CE227DK618	C,ELECTROLYTIC 220UF STD 50V M	LT75	OLA0101K119	INDUCTOR 1.0UH K
C812	0CE226DN618	C,ELECTROLYTIC 22UF STD 100V M	L11	OLA0561K119	INDUCTOR 5.6UH K
C813	0CK1020K515	C,CERAMIC(HIGH DIELE) 1000PF 500V K	L1101	OLA0102K119	INDUCTOR 10UH K
C814	181-011D	C,PP 1600V 0.0022UF J	L111	OLA0102K119	INDUCTOR 10UH K
C815	0CK4710W515	C,CERAMIC(HIGH DIELE) 470PF 500V K	L115	OLA0222K119	INDUCTOR 22UH K
C816	181-091D	C,DE0905 R 102K 1KV	L12	OLA0152K119	INDUCTOR 15UH K
C820	0CE2271P640	C,ELECTROLYTIC 220MF SMS 160V M	L261	OLA0102K119	INDUCTOR 10UH K
C821	0CE107DN618	C,ELECTROLYTIC 100UF STD 100V M	L262	OLA0102K119	INDUCTOR 10UH K
C822	0CE477DD618	C,ELECTROLYTIC 470UF STD 10V M	L301	150-717J	COIL,CHOKE 560UH (E/W)
C823	0CE1051K636	C,ELECTROLYTIC 1UF SM 50V M	L302	150-C02V	COIL,CHOKE 10UH R 1318
C824	0CE108DH618	C,ELECTROLYTIC 1000UF STD 25V M	Δ L401	150-L01D	COIL,H-LINEARITY 20UH
C825	0CE107DH618	C,ELECTROLYTIC 100UF STD 25V M	L402	OLA0102K139	INDUCTOR 10UH K
C826	0CE228DH610	C,ELECTROLYTIC 2200UF STD 25V M	L511	OLA0681K119	INDUCTOR 6.8UH K
C827	0CK4710W515	C,CERAMIC(HIGH DIELE) 470PF 500V K	L512	OLA0821K119	INDUCTOR 8.2UH K
C828	0CK1020W515	C,CERAMIC(HIGH DIELE) 1000PF 500V K	L513	OLA0102K119	INDUCTOR 10UH K
C829	181-003D	C,ELECTROLYTIC 160V 100UF T HR	L514	OLA0102K119	INDUCTOR 10UH K
C830	0CE477DF618	C,ELECTROLYTIC 470UF STD 16V M	L518	150-E11K	COIL,IFT VAR,07S 1C 38.0MHZ
C831	0CK4710W515	C,CERAMIC(HIGH DIELE) 470PF 500V K	L590	OLA0102K119	INDUCTOR 10UH K
C832	181-091D	C,DE0905 R 102K 1KV	L801	150-C02F	COIL,CHOKE 82UH R1217
C833	181-091D	C,DE0905 R 102K 1KV	L803	150-C02F	COIL,CHOKE 82UH R1217
C834	0CQ1041N509	C,POLYESTER(MYLAR) 0.1MF 100V L	L801	150-C02F	COIL,CHOKE 82UH R1217
C837	0CE228DK650	C,ELECTROLYTIC 2200UF STD 50V M	L901	OLA0102K139	INDUCTOR 10UH K
C850	181-120E	C,ACT 4KV E 222M FL10	L921	OLA1000K139	INDUCTOR 100UH K
C901	0CE227DF618	C,ELECTROLYTIC 220UF STD 16V M	L941	OLA1000K139	INDUCTOR 100UH K
C902	0CK1040K945	C,CERAMIC(HIGH DIELE) 0.1M 50V Z			

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LOCA. NO	PART NO	DESCRIPTION
L961	0LA1000K139	INDUCTOR 100UH K
\triangle T451	151-C02B	TRANSFORMER,H-DRIVE,EI-19,BULK
\triangle T801	150-F06J	COIL,LINE FILTER SQE2930 18MH
\triangle T802	150-F06J	COIL,LINE FILTER SQE2930 18MH
\triangle T803	151-B01C	TRANSFORMER,SMPS TYPE SMPC FOIL EER4954 ST

RESISTOR

\triangle FR304	180-D02C	R,RNF RND(S) EQ 2W 0.47 J
\triangle FR311	0RF0102H609	R,FUSIBLE 10 1/2W 5
\triangle FR410	180-D02E	R,RNF RND(S) CR 2W 1.0 J
\triangle FR412	0RF0470H609	R,FUSIBLE 0.47 1/2W 5
\triangle FR413	0RF0470J607	R,FUSIBLE 0.47 1W 5%
\triangle FR414	0RF0470J607	R,FUSIBLE 0.47 1W 5%
\triangle FR416	0RF0470J607	R,FUSIBLE 0.47 1W 5%
\triangle FR628	180-D02C	R,RNF RND(S) EQ 2W 0.47 J
\triangle FR801	180-D02C	R,RNF RND(S) EQ 2W 0.47 J
\triangle FR802	180-D02C	R,RNF RND(S) EQ 2W 0.47 J
\triangle FR901	180-D02E	R,RNF RND(S) CR 2W 1.0 J
RT62	0RD3900F609	R,CARBON FILM 390 1/6W 5
RT63	0RD0752F609	R,CARBON FILM 75 1/6W 5
RT69	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
RT75	0RS0272H609	R,METAL FILM OXIDE 27 1/2W 5
RT77	0RD2702F609	R,CARBON FILM 27K 1/6W 5
RT78	0RD2701F609	R,CARBON FILM 2.7K 1/6W 5
RT79	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
RT80	0RD0752F609	R,CARBON FILM 75 1/6W 5
RT81	0RD0752F609	R,CARBON FILM 75 1/6W 5
RT82	0RD0752F609	R,CARBON FILM 75 1/6W 5
RT83	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
RT84	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
RT85	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
RT86	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
RT87	0RD1002F609	R,CARBON FILM 10K 1/6W 5
RT88	0RN3000F409	R,METAL FILM 300 1/6W 1% TA52
RT89	0RD4700F609	R,CARBON FILM 470 1/6W 5
RT90	0RD4700F609	R,CARBON FILM 470 1/6W 5
RT91	0RD4700F609	R,CARBON FILM 470 1/6W 5
RT92	0RN1001F409	R,METAL FILM 1K 1/6W 1%
RT93	0RD1000F609	R,CARBON FILM 100 1/6W 5
RT94	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
RT96	0RD2200F609	R,CARBON FILM 220 1/6W 5
RT97	0RD2200F609	R,CARBON FILM 220 1/6W 5
RT98	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
RT99	0RD4700F609	R,CARBON FILM 470 1/6W 5
R11	0RD3300F609	R,CARBON FILM 330 1/6W 5
R1101	0RD3300F609	R,CARBON FILM 330 1/6W 5
R1103	0RD0752F609	R,CARBON FILM 75 1/6W 5
R1104	0RD1000H609	R,CARBON FILM 100 1/2W 5
R1105	0RD1000H609	R,CARBON FILM 100 1/2W 5
R1106	0RD1000H609	R,CARBON FILM 100 1/2W 5
R1107	0RD1000H609	R,CARBON FILM 100 1/2W 5
R111	0RD3900H609	R,CARBON FILM 390 1/2W 5

LOCA. NO	PART NO	DESCRIPTION
R112	0RD3900H609	R,CARBON FILM 390 1/2W 5
R113	0RD1501H609	R,CARBON FILM 1.5K 1/2W 5
R114	0RD5602F609	R,CARBON FILM 56K 1/6W 5
R115	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
R117	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R118	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R119	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R12	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R120	0RD5601F609	R,CARBON FILM 5.6K 1/6W 5
R121	0RD1002F609	R,CARBON FILM 10K 1/6W 5
R122	0RD1202F609	R,CARBON FILM 12K 1/6W 5
R123	0RD1802F609	R,CARBON FILM 18K 1/6W 5
R124	0RD7500F609	R,CARBON FILM 750 1/6W 5
R125	0RD7500F609	R,CARBON FILM 750 1/6W 5
R13	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R14	0RD1000F609	R,CARBON FILM 100 1/6W 5
R15	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R16	0RD1000F609	R,CARBON FILM 100 1/6W 5
R17	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R18	0RD1000F609	R,CARBON FILM 100 1/6W 5
R19	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R20	0RD1000F609	R,CARBON FILM 100 1/6W 5
R201	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R202	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R203	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R204	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R205	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R206	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R207	0RD0752F609	R,CARBON FILM 75 1/6W 5
R208	0RD0752F609	R,CARBON FILM 75 1/6W 5
R209	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R21	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R210	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R211	0RD4702F609	R,CARBON FILM 47K 1/6W 5
R212	0RD0102F609	R,CARBON FILM 10 1/6W 5
R213	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R214	0RD8200F609	R,CARBON FILM 820 1/6W 5
R215	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R216	0RD1800F609	R,CARBON FILM 180 1/6W 5
R217	0RD2000F609	R,CARBON FILM 200 1/6W 5
R218	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R219	0RD0752F609	R,CARBON FILM 75 1/6W 5
R22	0RD1000F609	R,CARBON FILM 100 1/6W 5
R220	0RD0102F609	R,CARBON FILM 10 1/6W 5
R221	0RD1601F609	R,CARBON FILM 1.6K 1/6W 5
R222	0RD1601F609	R,CARBON FILM 1.6K 1/6W 5
R23	0RD4701F609	R,CARBON FILM 4.7K 1/6W 5
R231	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R232	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5
R233	0RD0752F609	R,CARBON FILM 75 1/6W 5
R234	0RD2203F609	R,CARBON FILM 220K 1/6W 5
R235	0RD2203F609	R,CARBON FILM 220K 1/6W 5

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R236	ORD0752F609	R,CARBON FILM 75 1/6W 5	R42	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5 *AV STEREO
R237	ORD0912F609	R,CARBON FILM 91 1/6W 5	R420	ORD1001H609	R,CARBON FILM 1.0K 1/2W 5
R238	ORD0752F609	R,CARBON FILM 75 1/6W 5	R43	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5
R239	ORD2203F609	R,CARBON FILM 220K 1/6W 5	\triangle R430	ORS8200J607	R,METAL FILM OXIDE 820 1W 5%
R24	ORD1000F609	R,CARBON FILM 100 1/6W 5	\triangle R431	180-B01M	R,CEMENT RS RECT S 5W 7.5K J DOUBLE
R240	ORD2203F609	R,CARBON FILM 220K 1/6W 5	R44	ORD1000F609	R,CARBON FILM 100 1/6W 5
R241	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5	R45	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5
R242	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5	R46	ORD2201F609	R,CARBON FILM 2.2K 1/6W 5
R243	ORD0752F609	R,CARBON FILM 75 1/6W 5	R47	ORD1000F609	R,CARBON FILM 100 1/6W 5
R244	ORD0752F609	R,CARBON FILM 75 1/6W 5	R48	ORD2201F609	R,CARBON FILM 2.2K 1/6W 5
R245	ORD0752F609	R,CARBON FILM 75 1/6W 5	R49	ORD1000F609	R,CARBON FILM 100 1/6W 5
R25	ORD3901F609	R,CARBON FILM 3.9K 1/6W 5	R50	ORD2201F609	R,CARBON FILM 2.2K 1/6W 5
R26	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R51	ORD1000F609	R,CARBON FILM 100 1/6W 5
R261	ORD2203F609	R,CARBON FILM 220K 1/6W 5	R511	ORD0221H609	R,CARBON FILM 2.2 1/2W 5
R262	ORD0752F609	R,CARBON FILM 75 1/6W 5	R512	ORD0472F609	R,CARBON FILM 47 1/6W 5
R263	ORD2203F609	R,CARBON FILM 220K 1/6W 5	R513	ORD1003F609	R,CARBON FILM 100K 1/6W 5
R27	ORD1002F609	R,CARBON FILM 10K 1/6W 5	R514	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5
R28	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R515	ORD1500F609	R,CARBON FILM 150 1/6W 5
R29	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R516	ORD2000F609	R,CARBON FILM 200 1/6W 5
R30	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5	R517	ORD8203F609	R,CARBON FILM 820K 1/6W 5
R302	ORN0101J607	R,METAL FILM 1 1W 5%	R518	ORD0752F609	R,CARBON FILM 75 1/6W 5
R303	ORN3001F409	R,METAL FILM 3K 1/6W 1%	R519	ORD1500F609	R,CARBON FILM 150 1/6W 5
R305	ORD1201H609	R,CARBON FILM 1.2K 1/2W 5	R52	ORD2201F609	R,CARBON FILM 2.2K 1/6W 5
R306	ORD0221H609	R,CARBON FILM 2.2 1/2W 5	R520	ORD3001F609	R,CARBON FILM 3.0K 1/6W 5
R307	ORN6202F409	R,METAL FILM 62K 1/6W 1%	R521	ORD1000F609	R,CARBON FILM 100 1/6W 5
R309	ORS0202K607	R,METAL FILM OXIDE 20 2W 5%	R523	ORD2202F609	R,CARBON FILM 22K 1/6W 5
R31	ORD1000F609	R,CARBON FILM 100 1/6W 5	R524	ORD2203F609	R,CARBON FILM 220K 1/6W 5
R310	ORS2701J607	R,METAL FILM OXIDE 2.70K 1W 5%	R525	ORD9102F609	R,CARBON FILM 91K 1/6W 5
\triangle R312	ORS2702J607	R,METAL FILM OXIDE 27K 1W 5% TA62	R526	ORD1502F609	R,CARBON FILM 15K 1/6W 5
R313	ORD5101F609	R,CARBON FILM 5.1K 1/6W 5	R527	ORN3902F409	R, METAL FILM 39K 1/6W 1%
R33	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R528	ORD1201F609	R,CARBON FILM 1.2K 1/6W 5
R330	ORD0221H609	R,CARBON FILM 2.2 1/2W 5	R529	ORD2701F609	R,CARBON FILM 2.7K 1/6W 5 *AV STEREO
R331	ORS2200K607	R,METAL FILM OXIDE 220 2W 5%	R530	ORD3302F609	R,CARBON FILM 33K 1/6W 5 *AV STEREO
R34	ORD1000F609	R,CARBON FILM 100 1/6W 5	R531	ORD1103F609	R,CARBON FILM 110K 1/6W 5 *AV STEREO
R35	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R532	ORD1202F609	R,CARBON FILM 12K 1/6W 5 *AV STEREO
R36	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R533	ORD2201F609	R,CARBON FILM 2.2K 1/6W 5 *AV STEREO
R37	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R53	ORD1000F609	R,CARBON FILM 100 1/6W 5
R38	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R534	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5
R39	ORD2201F609	R,CARBON FILM 2.2K 1/6W 5	R535	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5
R40	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5	R536	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5
R401	ORD4700F609	R,CARBON FILM 470 1/6W 5	R537	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5
R402	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5	R538	ORD1000F609	R,CARBON FILM 100 1/6W 5
R403	ORS4701J607	R,METAL FILM OXIDE 4.70K 1W 5% TA62	R539	ORD1000F609	R,CARBON FILM 100 1/6W 5
R404	ORD1000F609	R,CARBON FILM 100 1/6W 5	R540	ORD4700F609	R,CARBON FILM 470 1/6W 5
R405	ORS6800J607	R,METAL FILM OXIDE 680 1W 5%	R541	ORD1000F609	R,CARBON FILM 100 1/6W 5
R407	ORD0332H609	R,CARBON FILM 33 1/2W 5	R542	ORD1000F609	R,CARBON FILM 100 1/6W 5
R409	ORD2203H609	R,CARBON FILM 220K 1/2W 5	R543	ORD1000F609	R,CARBON FILM 100 1/6W 5
R41	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R544	ORD1001F609	R,CARBON FILM 1.0K 1/6W 5
R416	ORS8201J607	R,METAL FILM OXIDE 8.20K 1W 5%	R545	ORD1203F609	R,CARBON FILM 120K 1/6W 5
R417	ORD9101F609	R,CARBON FILM 9.1K 1/6W 5	R546	ORD0752F609	R,CARBON FILM 75 1/6W 5
R418	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R547	ORD1000F609	R,CARBON FILM 100 1/6W 5
R419	ORD4701F609	R,CARBON FILM 4.7K 1/6W 5	R548	ORD3300F609	R,CARBON FILM 330 1/6W 5

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mark \triangle are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTION			LOCA. NO	PART NO	DESCRIPTION				
R549	ORD1000F609	R,CARBON FILM	100	1/6W	5	R79	ORD1200F609	R,CARBON FILM	120	1/6W	5
R55	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R80	ORD2701F609	R,CARBON FILM	2.7K	1/6W	5
R550	ORD1500F609	R,CARBON FILM	150	1/6W	5	R801	180-822M	R,RWR	15W	1.0 OHM J	
R551	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5	R802	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5
R552	ORD3900F609	R,CARBON FILM	390	1/6W	5	R804	ORD1000H609	R,CARBON FILM	100	1/2W	5
R554	ORD7502F609	R,CARBON FILM	75K	1/6W	5 *A/V STEREO	R805	ORS2202K607	R,METAL FILM OXIDE	22K	2W	5%
R555	ORD8202F609	R,CARBON FILM	82K	1/6W	5 *A/V STEREO	R806	ORS2202K607	R,METAL FILM OXIDE	22K	2W	5%
R556	ORD4702F609	R,CARBON FILM	47K	1/6W	5	R807	180-A01D	R,RW ROUND	G	2W	0.16 J
R557	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5	R808	0RS0202K607	R,METAL FILM OXIDE	20	2W	5%
R558	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5	R809	ORN0680H609	R,METAL FILM	0.68	1/2W	5
R559	ORD3602F609	R,CARBON FILM	36K	1/6W	5	R81	ORD1002F609	R,CARBON FILM	10K	1/6W	5
R56	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R810	0RS0332K607	R,METAL FILM OXIDE	33	2W	5%
R561	ORD1600F609	R,CARBON FILM	160	1/6W	5	R811	ORD2002H609	R,CARBON FILM	20K	1/2W	5
R562	ORD4702F609	R,CARBON FILM	47K	1/6W	5	R812	ORD6801H609	R,CARBON FILM	6.8K	1/2W	5
R563	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R813	ORD2001F609	R,CARBON FILM	2.0K	1/6W	5
R564	ORD4702F609	R,CARBON FILM	47K	1/6W	5	R814	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5
R565	ORD2201F609	R,CARBON FILM	2.2K	1/6W	5	R815	ORN0680H609	R,METAL FILM	0.68	1/2W	5
R566	ORD1600F609	R,CARBON FILM	160	1/6W	5	R816	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5
R571	ORD0102F609	R,CARBON FILM	10	1/6W	5	R819	180-C02L	R,CARBON COMPOSITE	0.47MOHM	1/2 W	10%
R572	ORD0102F609	R,CARBON FILM	10	1/6W	5	R820	ORD1001H609	R,CARBON FILM	1.0K	1/2W	5
R573	ORD0102F609	R,CARBON FILM	10	1/6W	5	R822	ORD1002F609	R,CARBON FILM	10K	1/6W	5
R574	ORD0221H609	R,CARBON FILM	2.2	1/2W	5	R823	ORD4702F609	R,CARBON FILM	47K	1/6W	5
R575	ORD3001F609	R,CARBON FILM	3.0K	1/6W	5	R825	ORD1002H609	R,CARBON FILM	10K	1/2W	5
R576	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R826	0RS0332J607	R,METAL FILM OXIDE	33	1W	5%
R58	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R827	ORD2001F609	R,CARBON FILM	2.0K	1/6W	5
R582	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5	R828	ORD7501F609	R,CARBON FILM	7.5K	1/6W	5
R583	ORD1000F609	R,CARBON FILM	100	1/6W	5	R830	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5
R59	ORD1000F609	R,CARBON FILM	100	1/6W	5	R831	0RS3900J607	R,METAL FILM OXIDE	390	1W	5%
R590	ORD1500H609	R,CARBON FILM	150	1/2W	5	R833	ORD2002H609	R,CARBON FILM	20K	1/2W	5
R60	ORD8200F609	R,CARBON FILM	820	1/6W	5	R837	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5
R61	ORD4700F609	R,CARBON FILM	470	1/6W	5	R838	ORD1002F609	R,CARBON FILM	10K	1/6W	5
R62	ORD4700F609	R,CARBON FILM	470	1/6W	5	R84	ORD2002F609	R,CARBON FILM	20K	1/6W	5
R620	ORD3000F609	R,CARBON FILM	300	1/6W	5	\triangle R850	180-C02H	R,CARBON COMPOSIT	RC	1/2W	8.2M K
R621	ORD3000F609	R,CARBON FILM	300	1/6W	5	R87	0RD2002F609	R,CARBON FILM	20K	1/6W	5
R622	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5	R901	ORD1000F609	R,CARBON FILM	100	1/6W	5
R623	0RS0331H609	R,METAL FILM OXIDE	3.3	1/2W	5	R902	ORD1201F609	R,CARBON FILM	1.2K	1/6W	5
R626	ORD1501F609	R,CARBON FILM	1.5K	1/6W	5	R903	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5
R627	ORD1501F609	R,CARBON FILM	1.5K	1/6W	5	R904	ORD0562F609	R,CARBON FILM	56	1/6W	5
R629	0RS0331H609	R,METAL FILM OXIDE	3.3	1/2W	5	R905	ORD2000F609	R,CARBON FILM	200	1/6W	5
R63	ORD4700F609	R,CARBON FILM	470	1/6W	5	R908	0RD2003H609	R,CARBON FILM	200K	1/2W	5
R64	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R911	0RD3001F609	R,CARBON FILM	3.0K	1/6W	5
R65	ORD1002F609	R,CARBON FILM	10K	1/6W	5	R912	0RD3001F609	R,CARBON FILM	3.0K	1/6W	5
R66	ORD4701F609	R,CARBON FILM	4.7K	1/6W	5	R913	0RD3001F609	R,CARBON FILM	3.0K	1/6W	5
R67	ORD1000F609	R,CARBON FILM	100	1/6W	5	R92	0RD1800F609	R,CARBON FILM	180	1/6W	5
R68	ORD1500F609	R,CARBON FILM	150	1/6W	5	R921	0RD1000F609	R,CARBON FILM	100	1/6W	5
R69	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5	R922	0RD0102F609	R,CARBON FILM	10	1/6W	5
R70	ORD6802F609	R,CARBON FILM	68K	1/6W	5	R923	0RD2400F609	R,CARBON FILM	240	1/6W	5
R71	ORD3301F609	R,CARBON FILM	3.3K	1/6W	5	R924	0RD2003F609	R,CARBON FILM	200K	1/6W	5
R72	ORD3301F609	R,CARBON FILM	3.3K	1/6W	5	R925	0RS1001H609	R,METAL FILM OXIDE	1.0K	1/2W	5
R73	ORD3301F609	R,CARBON FILM	3.3K	1/6W	5	R926	0RS6801L667	R,METAL FILM OXIDE	6.8K	3W	5
R74	ORD1001F609	R,CARBON FILM	1.0K	1/6W	5	R927	0RD3300F609	R,CARBON FILM	330	1/6W	5
R78	ORD4702F609	R,CARBON FILM	47K	1/6W	5 *A/V STEREO	R928	0RS2200H609	R,METAL FILM OXIDE	220	1/2W	5

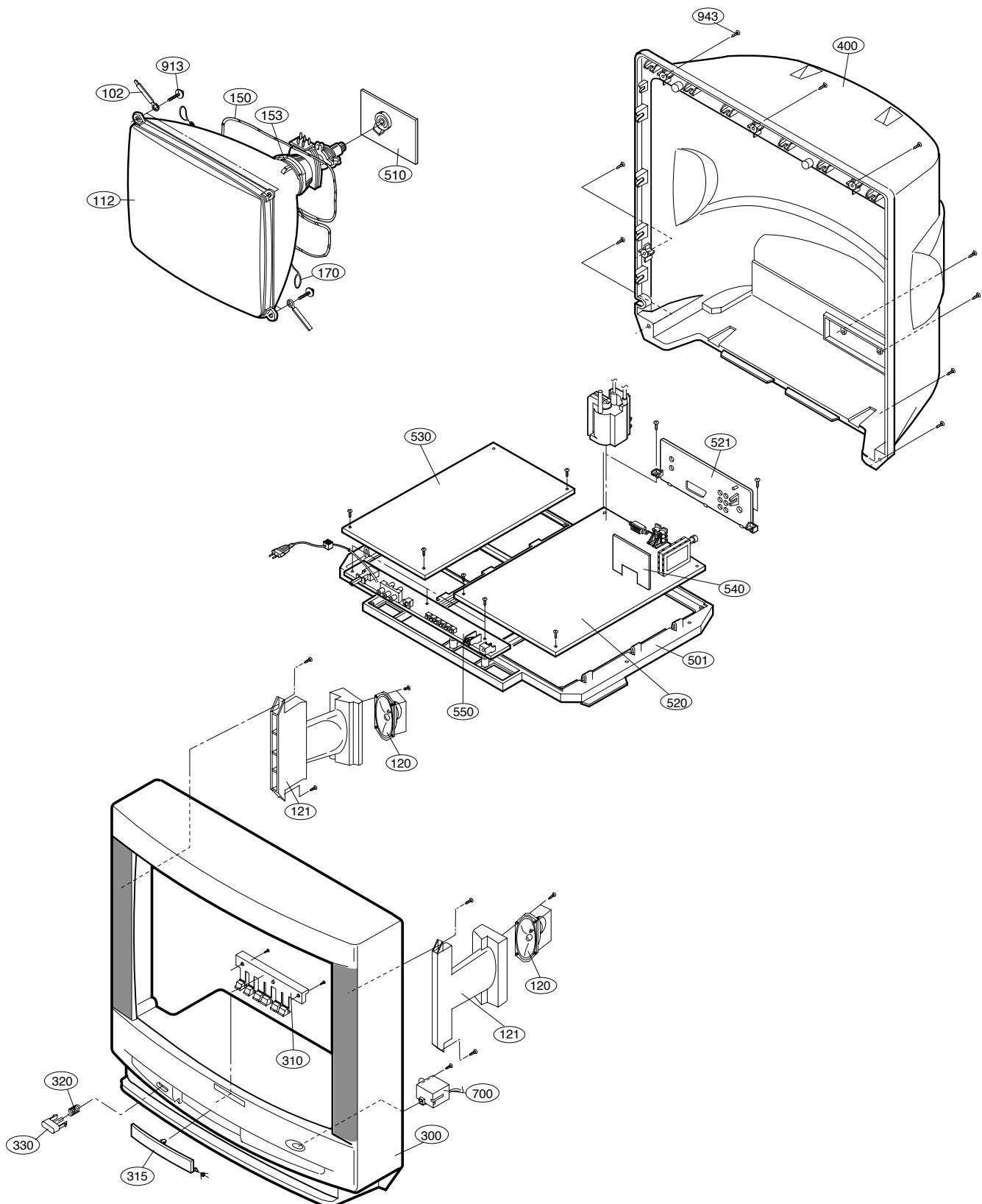
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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
R941	ORD1000F609	R,CARBON FILM 100 1/6W 5	CS27	OCE2263F618	C,ELECTROLYTIC 22UF 16V M
R942	ORD0102F609	R,CARBON FILM 10 1/6W 5	CS28	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R943	ORD1500F609	R,CARBON FILM 150 1/6W 5	CS29	OCE106DK618	C,ELECTROLYTIC 10UF STD 50V M
R944	ORD1803F609	R,CARBON FILM 180K 1/6W 5	CS30	OCE106DK618	C,ELECTROLYTIC 10UF STD 50V M
R945	ORS1001H609	R,METAL FILM OXIDE 1.0K 1/2W 5	CS31	OCE106DK618	C,ELECTROLYTIC 10UF STD 50V M
R946	ORS6801L667	R,METAL FILM OXIDE 6.8K 3W 5	CS32	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R948	ORS2200H609	R,METAL FILM OXIDE 220 1/2W 5	CS34	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R950	ORD2204H609	R,CARBON FILM 2.2M 1/2W 5	CS35	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R961	ORD1000F609	R,CARBON FILM 100 1/6W 5	CS36	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R962	ORD0102F609	R,CARBON FILM 10 1/6W 5	CS37	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
R963	ORD1500F609	R,CARBON FILM 150 1/6W 5	CS38	0CQ3342K439	C,POLYESTER(MYLAR) 0.33UF S 50V J
R964	ORD1803F609	R,CARBON FILM 180K 1/6W 5	CS39	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R965	ORS1001H609	R,METAL FILM OXIDE 1.0K 1/2W 5	CS40	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
R966	ORS6801L667	R,METAL FILM OXIDE 6.8K 3W 5	CS41	OCE106DK618	C,ELECTROLYTIC 10UF STD 50V M
R968	ORS2200H609	R,METAL FILM OXIDE 220 1/2W 5	CS42	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
SWITCH					
SW1	140-315C	SWITCH,TACT 4LEAD(TA),EVQPB905K	CS43	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
SW2	140-315C	SWITCH,TACT 4LEAD(TA),EVQPB905K	CS44	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
SW3	140-315C	SWITCH,TACT 4LEAD(TA),EVQPB905K	CS45	0CX5600K409	C,TUBULA(T.C) 56P 50V J
SW4	140-315C	SWITCH,TACT 4LEAD(TA),EVQPB905K	CS46	0CX5600K409	C,TUBULA(T.C) 56P 50V J
SW5	140-315C	SWITCH,TACT 4LEAD(TA),EVQPB905K	CS47	0CN4710K519	C,TUBULA(HIGH DIELE) 470PF 50V K
SW6	140-315C	SWITCH,TACT 4LEAD(TA),EVQPB905K	CS48	0CC0200K115	C,CERAMIC(TEMP COMP) 2P 50V D
Δ SW801	6600VM2001A	SWITCH,POWER 4A/128A 250V	CS49	0CC0200K115	C,CERAMIC(TEMP COMP) 2P 50V D
FILTER & CRYSTAL					
T514	166-C02D	FILTER,TRAP TPS6.0MB-TF21	CS50	0CN3320F569	C,TUBULA(HIGH DIELE) 3300PF 16V K
T516	166-C04C	FILTER,TRAP TPWA02B-TF21(5.5/6.5)	CS51	0CN3320F569	C,TUBULA(HIGH DIELE) 3300PF 16V K
T519	166-C02B	FILTER,TRAP TPS4.5MB-TF21	CS53	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
XT75	156-A02U	CRYSTAL 27.00000 20PF 20 OHM BULK	CS55	0CN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K
X511	156-A01V	CRYSTAL 4.433619 SER.PF 80 OHM BULK	CS56	OCE227DF618	C,ELECTROLYTIC 220UF STD 16V M
X512	156-A01C	CRYSTAL 3.579545 90 OHM	CS57	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
ZS14	166-A01W	FILTER(CIRC),SAW 0FWK9252M SIEMENS	CS58	0CX1000K409	C,TUBULA(T.C) 10P 50V J
Z111	166-A01E	FILTER OFWK6266K	CS59	0CX1000K409	C,TUBULA(T.C) 10P 50V J
Z115	166-F01G	FILTER EMI,DSS306-93FZ103N 100V TA	CS60	OCE335DK618	C,ELECTROLYTIC 3.3UF STD 50V M
SUB(RF STEREO)BOARD					
CS11	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	CS61	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M
CS12	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	CS62	0CN2230H949	C,TUBULA(HIGH DIELE) 22000P 25V Z F
CS13	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	CS63	0CN2230H949	C,TUBULA(HIGH DIELE) 22000P 25V Z F
CS14	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	DS11	ODD414809ED	DIODE DS4148
CS15	OCE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M	DS12	ODD414809ED	DIODE DS4148
CS16	OCE475DK618	C,ELECTROLYTIC 4.7UF STD 50V M	ICS11	0IIT341000H	IC,MSP3410D 52P,SDIP BK B4-VERSIO
CS17	OCE226DF618	C,ELECTROLYTIC 22UF STD 16V M	ICS12	0IKE704200B	IC,KIA7042P 3P 4.2V RESET
CS18	OCE226DF618	C,ELECTROLYTIC 22UF STD 16V M	ICS13	0ISG282200A	IC,TDA2822M 8D DUAL AUDIO AMP(1W)
CS19	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	ICS15	0IKE780800A	IC,KIA7808PI 3P(TO-220IS) 1A,8V
CS20	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	ICS16	0IKE780500K	IC,KIA7805PI 3P(TO-220IS) 5V,1A
CS22	OCE106DK618	C,ELECTROLYTIC 10UF STD 50V M	ICS17	0ITF444500C	IC,TDA4445B 16P,DIP BK QPS PROCES
CS23	OCE106DK618	C,ELECTROLYTIC 10UF STD 50V M	LS11	OLA0222K119	INDUCTOR 22UH K
CS24	OCE227DF618	C,ELECTROLYTIC 220UF STD 16V M	LS12	150-E08L	COIL,VAR,07S 1B 38.0MHZ
CS25	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	LS13	OLA0102K119	INDUCTOR 10UH K
CS26	OCE227DF618	C,ELECTROLYTIC 220UF STD 16V M	LS14	OLA0102K119	INDUCTOR 10UH K
			LS15	OLA0102K119	INDUCTOR 10UH K
			LS16	OLA0102K119	INDUCTOR 10UH K
			RS13	ORD0102H609	R,CARBON FILM 10 1/2W 5
			RS22	ORD0332H609	R,CARBON FILM 33 1/2W 5
			RS23	ORD0472H609	R,CARBON FILM 47 1/2W 5
			RS24	ORD0472H609	R,CARBON FILM 47 1/2W 5

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
RS27	0RD2200F609	R,CARBON FILM 220 1/6W 5	QS13	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC
RS28	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5	RS11	0RD1500F609	R,CARBON FILM 150 1/6W 5
RS35	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5	RS12	0RD0332F609	R,CARBON FILM 33 1/6W 5
RS36	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5	RS13	0RD1501F609	R,CARBON FILM 1.5K 1/6W 5
RS37	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5	RS14	0RD9101F609	R,CARBON FILM 9.1K 1/6W 5
RS38	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5	RS15	0RD3601F609	R,CARBON FILM 3.6K 1/6W 5
RS39	0RD1002F609	R,CARBON FILM 10K 1/6W 5	RS16	0RD3900F609	R,CARBON FILM 390 1/6W 5
RS40	0RD1000F609	R,CARBON FILM 100 1/6W 5	RS17	0RD2701F609	R,CARBON FILM 2.7K 1/6W 5
RS41	0RD1000F609	R,CARBON FILM 100 1/6W 5	RS18	0RD3301F609	R,CARBON FILM 3.3K 1/6W 5
RS42	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5	RS19	0RD4700F609	R,CARBON FILM 470 1/6W 5
RS43	0RD1001F609	R,CARBON FILM 1.0K 1/6W 5	RS20	0RD2200F609	R,CARBON FILM 220 1/6W 5
XS11	156-A02M	CRYSTAL 18.432000 10PF 20 OHM BULK	RS21	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
SUB(A/V STEREO)BOARD			RS22	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
CS11	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	RS25	0RD1002F609	R,CARBON FILM 10K 1/6W 5
CS12	OCE107DF618	C,ELECTROLYTIC 100UF STD 16V M	RS26	0RD1002F609	R,CARBON FILM 10K 1/6W 5
CS13	OCN1010K519	C,TUBULA(HIGH DIELE) 100PF 50V K	RS28	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
CS14	OCX4700K409	C,TUBULA(T.C) 47PF 50V J	RS29	0RD1000F609	R,CARBON FILM 100 1/6W 5
CS15	OCN1020K519	C,TUBULA(HIGH DIELE) 1000PF 50V K	RS30	0RD1000F609	R,CARBON FILM 100 1/6W 5
CS16	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	RS31	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
CS17	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	RS32	0RD2201F609	R,CARBON FILM 2.2K 1/6W 5
CS18	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	RS34	0RD2001F609	R,CARBON FILM 2.0K 1/6W 5
CS19	OCE477DF618	C,ELECTROLYTIC 470UF STD 16V M	RS35	0RD1002F609	R,CARBON FILM 10K 1/6W 5
CS20	OCQ5621N509	C,POLYESTER(MYLAR) 5600PF 100V K	RS36	0RD2002F609	R,CARBON FILM 20K 1/6W 5
CS21	OCE106DF618	C,ELECTROLYTIC 10UF STD 16V M	RS37	0RD1501F609	R,CARBON FILM 1.5K 1/6W 5
CS22	OCE106DF618	C,ELECTROLYTIC 10UF STD 16V M	RS38	0RD0102F609	R,CARBON FILM 10 1/6W 5
CS23	0CX3300K409	C,TUBULA(T.C) 33PF 50V J	ZS14	166-A01W	FILTER(CIRC),SAW OFWK9252M SIEMENS
CS24	0CX3300K409	C,TUBULA(T.C) 33PF 50V J	MISCELLANEOUS		
CS25	OCE106DF618	C,ELECTROLYTIC 10UF STD 16V M		351-008A	LINK,POWER S/W
CS27	OCE2263F618	C,ELECTROLYTIC 22UF 16V M		407-E80D	PLATE,ANT.DECO.
CS28	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M		6710V00007D	REMOTE CONTROLLER ASSY,MC-74A(TXT,EYE)
CS29	OCQ5621N509	C,POLYESTER(MYLAR) 5600PF 100V K		6710V00007U	REMOTE CONTROLLER ASSY,MC-74A(W/O TXT,W/EYE,LG)
CS30	OCQ3331N509	C,POLYESTER(MYLAR) 0.033U 100V K	AV3	6613V00004C	JACK ASSY,S-VHS+3P+EARPHONE
CS31	OCQ1531N509	C,POLYESTER(MYLAR) 0.015MF 100V K	"	6613V00004B	JACK ASSY,3P
CS32	OCQ1531N509	C,POLYESTER(MYLAR) 0.015MF 100V K	\triangle FR803	131-096E	FUSE,MICRO 125V 4.0A
CS34	OCQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J	\triangle F801A	0FT4001B517	FUSE,TIME LAG 4A 250V
CS35	OCQ4742K439	C,POLYESTER(MYLAR) 0.47UF S 50V J	PA01	106-048B	PRE-AMP SBX1677-02F(38.0KHZ)
CS36	OCQ3331N509	C,POLYESTER(MYLAR) 0.033U 100V K	PJ230	380-392A	JACK,A/V IN-OUT(6P)
CS45	OCN1030F679	C,TUBULA(HIGH DIELE) 0.01MF 16V M	\triangle P801	174-009Q	CORD,POWER(W/HOLD,HOUSING)L=300,4.0
FS13	166-B02D	FILTER,B.P FILTER SFSH6.0MCB-TF21	"	174-222D	CORD,POWER FOR SAA(ROUND TYPE) *RANKINE
FS14	166-B02E	FILTER,B.P FILTER SFSH6.5MCB-TF21	\triangle RL801	141-018E	RELAY DG12D1-0(M)-2 12V44MA
FS15	166-B02C	FILTER,B.P FILTER SFSH5.5MCB-TF21	SG901	165-004A	SPARK GAP AG20PT 152F-L3N/S-23
FS17	166-B02A	FILTER,B.P FILTER SFSH4.5MCB-TF21	SG921	165-004A	SPARK GAP AG20PT 152F-L3N/S-23
ICS11	0IPH842500A	IC,TDA8425 SOUND CONTROL	SK230	381-091A	SOCKET,SCART JACK 21PIN
ICS17	0ITF444500C	IC,TDA4445B 16P,DIP BK QPS PROCES	\triangle SK901	381-226D	SOCKET,CPT PCS628-01S/LESS BULK(N05)
LS11	OLA0222K119	INDUCTOR 22UH K	TH801	163-054A	THERMISTOR J502P53D140M290S
LS12	150-E08L	COIL,VAR,07S 1B 38.0MHZ	T114	113-234E	TUNER TUGG9-D07P LGEC PAL
LS2	OLA0152K119	INDUCTOR 15UH K	\triangle T406	6174Z-6229L	FBT TMPN11-D6229L
LS20	OLA0152K119	INDUCTOR 15UH K	X11	166-E05C	RESONATOR,RESO, CST8.00MTW-TF01
LS21	OLA0122K119	INDUCTOR 12UH K	ZNR801	164-003D	VARISTOR,SVC 561D-14A
QS11	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC			
QS12	0TR319809AA	TR,KTC3198-TP-Y (KTC1815)KEC			

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by shading and
mark \triangle are critical for safety.
Replace only with part number specified.

LOCA. NO	PART NO	DESCRIPTIONS
102	341-919A	HOLDER,D-COIL
\triangle 112	112-D29H	CPT A68AGA25X02(+0.47G,SVM,RCA)
	112-D29K	CPT A68AGA25X402(-0.12G,SVM,RCA)
	112-D29J	CPT A68AGA25X202(+0.24G,SVM,RCA)
	112-D29L	CPT A68AGA25X502(-0.5G,SVM,RCA) *RANKINE
120	120-D38C	SPEAKER,MID-RANGE 8 OHM 15/25W 87 128*77
121	4810V00052A	BRACKET,DOME FRONT
\triangle 150	150-D05D	COIL,DEGAUSSING,CU 29" 60T 8.7OHM
\triangle 170	170-586Y	LEAD SET,CPT EARTH
300	3091V00087D	CABINET ASSY,CF-29H70T
	3091V00087E	CABINET ASSY,CF-29H70
310	5020V00151A	BUTTON,CONTROL
315	3581V00015A	DOOR ASSY
320	320-070G	SPRING,COIL
330	5020V00148A	BUTTON,POWER
400	3809V00062D	BACK COVER ASSY,CF-29H70T
	3809V00062A	BACK COVER ASSY,CF-29H70
501	4810V00054A	BRACKET,MAIN
510	6871VSN044A	PWB ASSY,CPT
520	6871VMM127D	PWB ASSY,MAIN 29H70T
	6871VMM127C	PWB ASSY,MAIN 29H70
	6871VMM127E	PWB ASSY,MAIN 29H70T(P/E) *RANKINE
	6871VMM149D	PWB ASSY,MAIN 1 *LGESV
521	3501V00006B	BOARD ASSY
530	6871VPM006C	PWB ASSY,POWER
540	6871VSM109A	PWB ASSY,SUB 74A W/HP,W/NI
	6871VSM120A	PWB ASSY,A/V STEREO
550	6871VSM157D	PWB ASSY,CONTROL(W/HP)
	6871VSM157A	PWB ASSY,CONTROL
700	0IGL120104A	IC,CDS SENSOR MODULE
913	332-229A	SCREW ASSY,HEXAGON HEAD SPECIAL
943	1PPF0403116	SCREW,PAN HEAD D4 L16 MSWR3/BK