

**SAMSUNG**

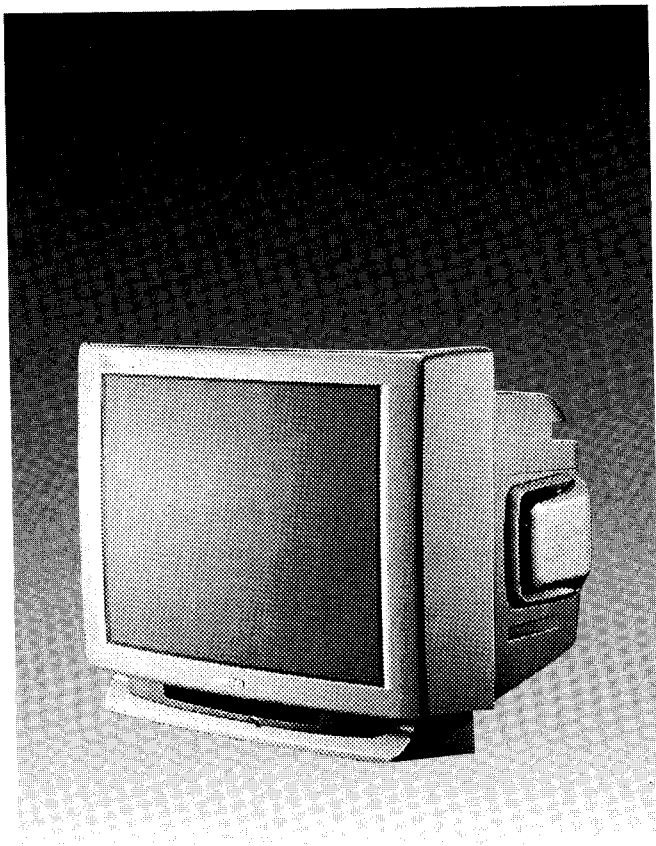
# COLOR TELEVISION RECEIVER

CHASSIS : KCT55A

MODEL : TXF2889/UCX

# **SERVICE** *Manual*

## COLOR TELEVISION RECEIVER



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# 1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

## 1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):

Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

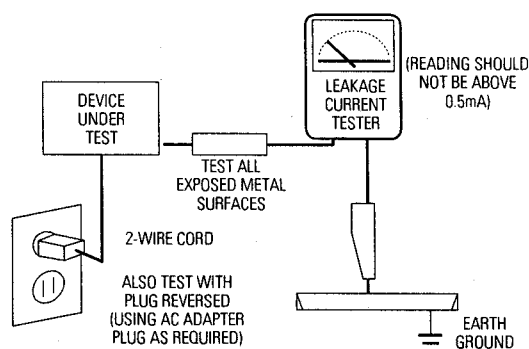




Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:  
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
7. X-ray Limits:  
The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.
8. High Voltage Limits:  
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)  
  
Heed the high voltage limits. These include the *X-ray Protection Specifications Label*, and the *Product Safety and X-ray Warning Note* on the service data schematic.

## 1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.
10. Design Alteration Warning:  
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
11. Hot Chassis Warning:  
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.  
  
To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.
12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.
13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.
14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.
15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.
16. Picture Tube Implosion Warning:  
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.
17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.
18. Product Safety Notice:  
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.  
  
Components that are critical for safety are indicated in the circuit diagram by shading, (  ) or (  ).  
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

## 1-2 Servicing Precautions

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Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.  
  
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

### 1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

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1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

## 2. Specifications and IC Data

### 2-1 Specifications

Model	TXF2889	CT-722AP	CT823AP
Television System :	NTSC-M		
Channels :	VHF : CH 2 ~ CH 13 UHF : CH 14 ~ CH 69 CATV : CH 1, CH 14 ~ CH 125		
Intermediate Frequencies :	Picture IF Carrier : 45.75 MHz Sound IF Carrier : 41.25 MHz Color Sub Carrier : 42.17 MHz		
Picture Tube :	A70QAZ761X001		A80KXQ691X04
Power Requirements :	AC 120V, 60Hz	AC100~240V, 60Hz	
Antenna Input Impedance :	75 ohm unbalanced type		
Speaker Impedance :	8 ohm, 15W + 15W		
Protection :	X-Ray Protect		

## 2-2 IC Line Up

Table 2 - 1 IC Line - Up

Loc No	No	Specification	Description	Remarks
HC101	1	PAP101T	IF Pre-Amp (TUNER)	
SF101*	2	M3951M	SAW Filter (VIF)	Siemens
SF102*	3	M9260M	SAW Filter (SIF)	Siemens
IC202	4	LA7510	Audio IF AMP/4.5M detect	MITSUBISHI
IC902	5	XLS24C02P	2,048-Bit Serial Electrically Erasable PROM	
IC602	6	UPC1853	Surround/Sound Control IC	NEC
IC701	7	CXA1855S	Audio/Video Switching	SONY
IC601	8	TDA7297	Sound-AMP	THOMSON
IC201*	9	TDA8377	One Chip TV Processor	PHILIPS
IC802	10	TDA8133	Multi Regulator IC (5V, 8V)	THOMSON
IC301	11	TDA8350Q	Vertical Out IC	PHILIPS
IC801	12	STR-6709	Power IC (STR)	SANKEN
IC853	13	KA78R12	Regulator 12V	SHARP
IC901*	14	SZM324EV	Micom	Zilog
ICP02	15	SDA9288X	PIP Processor	Siemens
ICP01	16	TDA9160A	PIP Decoder	PHILIPS

## 2-3 Semiconductor Base Diagrams

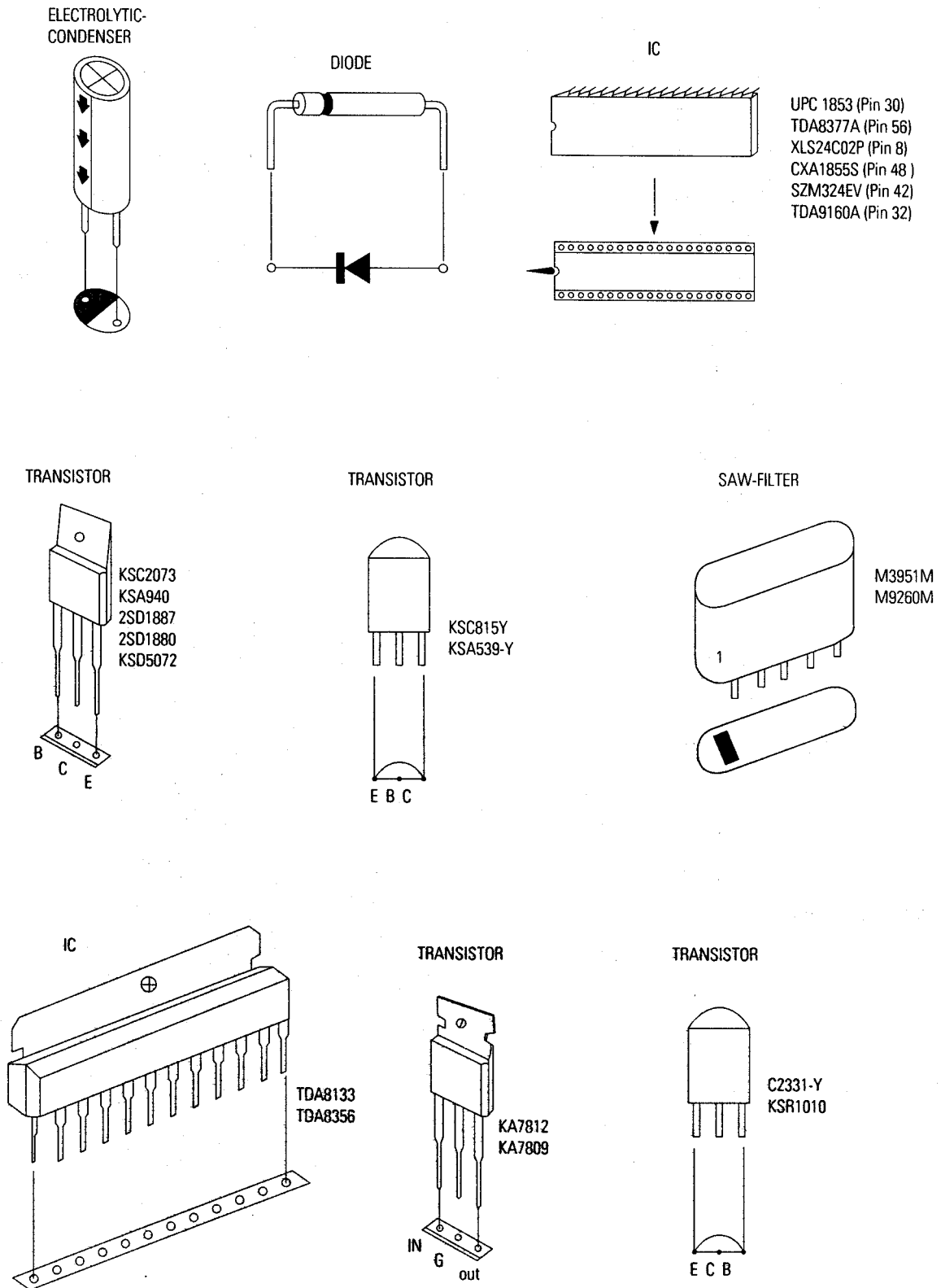


Fig. 2-1 Semiconductor Base Diagrams



## 2-4 One Chip TV-processor

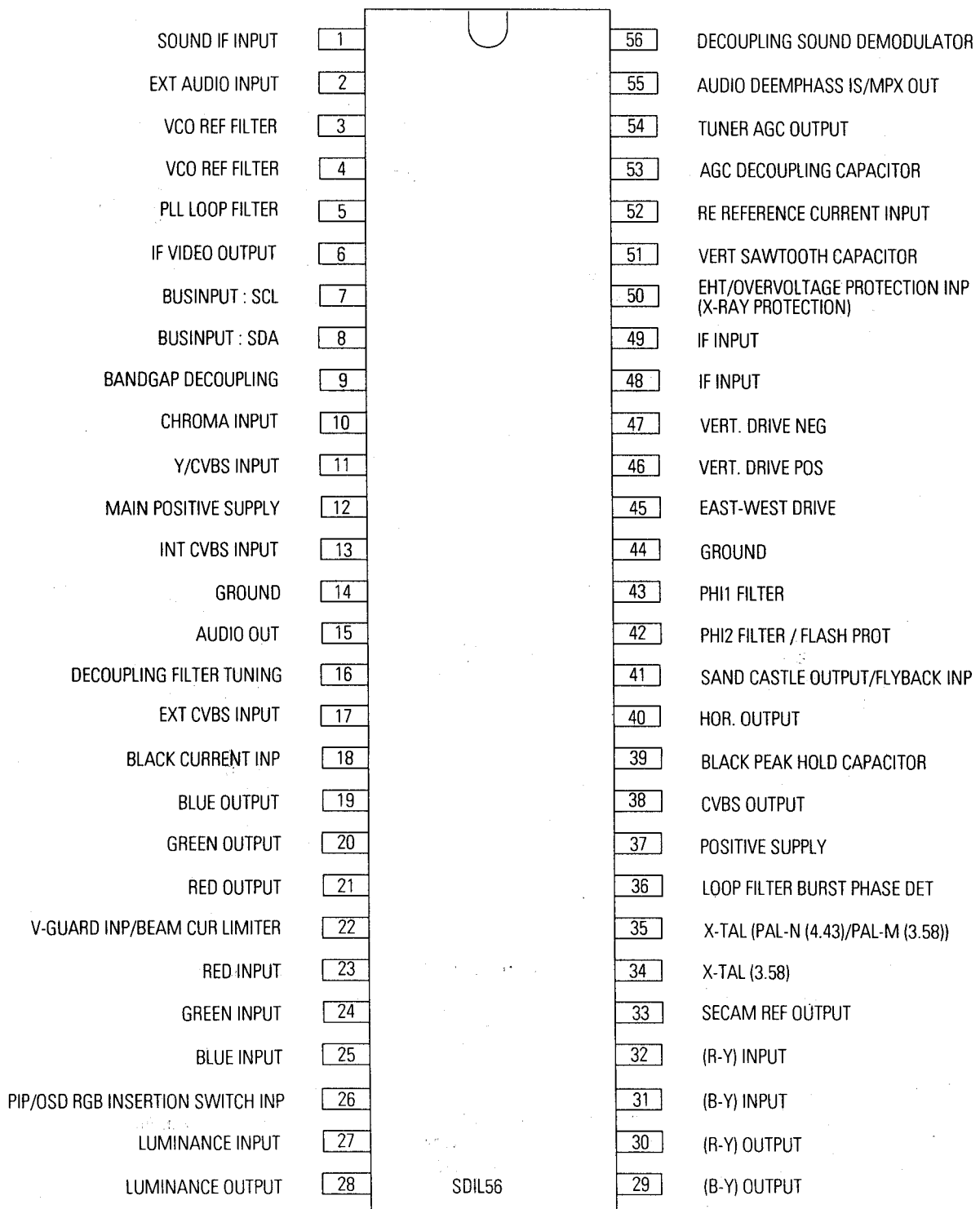


Fig. 2-2 SDIL56

CVBS : Composite Video Broadcasting Signal

## 3. Alignment and Adjustments

### 3-1 Preadjustment

1. Since there are no VRs in the KCT55A chassis, all adjustments after parts replacement must be done in the Service Mode.
2. The Factory Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.
3. Do not tamper with the "Adjustment" screen of the Factory Mode menu. This screen is intended only for factory use.

#### 3-1-1 When EEPROM (IC902) Is Replaced

1. When IC902 is replaced, all adjustment data revert to their initial values. It is necessary to re-program this data.
2. After IC902 is replaced, warm up the TV for 10 seconds.

Make the following adjustments AFTER setting up purity and convergence:

White Balance  
Sub-Brightness  
Vertical Center  
Vertical Size

### 3-2 Factory ("SERVICE") Mode

1. The set must be in Factory ("Service") Mode.  
Selection sequence:  
STAND-BY → MUTE → 1 → 8 → 2 → POWER ON
2. The "FACTORY MODE" message will be displayed. The Factory Mode has four components : Adjustment, Test Pattern, Set Option Byte, and Factory Reset.
3. Access the Adjustment Mode by pressing the "VOLUME" keys (►, ◄). The adjustment parameters are listed in the accompanying table.  
Select them by pressing the CHANNEL keys (▲, ▼).
4. After completing the Factory Mode adjustments, turn the power switch OFF.

### 3-2-1 Adjustment

- Selection sequence :  
STAND-BY → MUTE→1→8→2→POWER ON

- Example : Sub-bright Adjustment

\*FACTORY MODE\*

PIP
Pattern
Option
Reset

↓ Press VOL ►

VCO 64	VS 32
SBT 9	VA 13
SCT 5	HS 38
SCR 8	EWA 53
STT 10	EWP 42
RG 34	EWC 31
GG 32	EWT 31
BG 34	VZM 25
SCO 9	MAT off
VSL 25	VOL 46

↓ Press CH ▼

AGC 43	VS 32
VCO 64	VA 13
SBT 9	HS 38
SCT 5	EWA 53
SCR 8	EWP 42
STT 10	EWC 31
RG 34	EWT 31
GG 32	VZM 25
BG 34	MAT off
SCO 9	VOL 46
VSL 25	

↓ Press VOL ◀ or ▶

SB 3
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↓ POWER OFF

### Main Adjustment Parameters

FUNCTION	OSD	RANGE	DATA
AUTO GAIN CONTROL	AGC	0 ~ 63	8
VOLTAGE CONTROL OSCILLATOR	VCO	0 ~ 127	63
SUB BRIGHT	SBT	0 ~ 15	8
SUB CONTRAST	SCT	0 ~ 13	7
SUB COLOR	SCR	0 ~ 13	7
SUB TINT	STT	0 ~ 13	9
RED GAIN	RG	0 ~ 63	40
GREEN GAIN	GG	0 ~ 63	40
BLUE GAIN	BG	0 ~ 63	40
S-CORRECTION	SCO	0 ~ 63	20
VERTICAL SLOPE	VSL	0 ~ 63	25
VERTICAL SHIFT	VS	0 ~ 63	32
VERTICAL AMPLITUDE	VA	0 ~ 63	45
HORIZONTAL SHIFT	HS	0 ~ 63	46
EAST WEST AMPLITUDE	EWA	0 ~ 63	50
EAST WEST PIN	EWP	0 ~ 63	44
EAST WEST CORNER	EWC	0 ~ 63	32
EAST WEST TILT	EWT	0 ~ 63	32
MATRIX	MAT	on/off	off

NOTE : The actual data values vary according to model

### 3-2-2 Test Pattern (Aging Mode)

- This mode is used to confirm that the convergence and purity adjustments are correct.
- Access the Test Pattern parameters by pressing the CHANNEL keys (▲, ▼) while the Service Mode is on. The cursor will move to the test pattern. Press the VOLUME keys. On-screen display:

RED
GREEN
BLUE

### 3-2-3 Set Option Byte

1. In the Service Mode, various options can be selected with the Option Bytes:

2. Example :

BYTE 0 : 00 FOR 27" PIP MODEL  
 BYTE 1 : 00

BYTE 0 : 40 FOR 32" PIP MODEL  
 BYTE 1 : 00

BYTE 0 : 20 FOR 27" NON-PIP MODEL  
 BYTE 1 : 00

BYTE 0 : 60 FOR 32" NON-PIP MODEL  
 BYTE 1 : 00

Values Expressed In Hexadecimal Numbers :

OPTION BYTE 0	0 (HEX)	3210	0: AIR/STD/HRC/IRC 1: AIR/STD/HRC/AFN
			0: NON AUTO POWER OFF 1: AUTO POWER OFF AFTER 20MIN.
			0: AUTO MUTE IN NO SIGNAL 1: NONE AUTO MUTE
			0: HELP MESSAGE 1: NONE HELP MESSAGE
	0 (HEX)	3210	0: NONE AUTO ON 1: AUTO ON
			0: PIP 1: NONE PIP
			0: 12.8 : 9 (PLUS) 1: 4 : 3
			DON'T CARE
OPTION BYTE 1	0 (HEX)	3210	0: COMB FILTER 1: WITHOUT COMB FILTER
			DON'T CARE
			0: VIDEO IDENT MODE=IF-INT CONTROLS 1: VIDEO IDENT MODE=NO INFLUENCE
			0: PICTURE LEVEL R/B=10 STEP 1: PICTURE LEVEL R/B= 5 STEP
	0 (HEX)	3210	DON'T CARE
			DON'T CARE
			DON'T CARE
			DON'T CARE

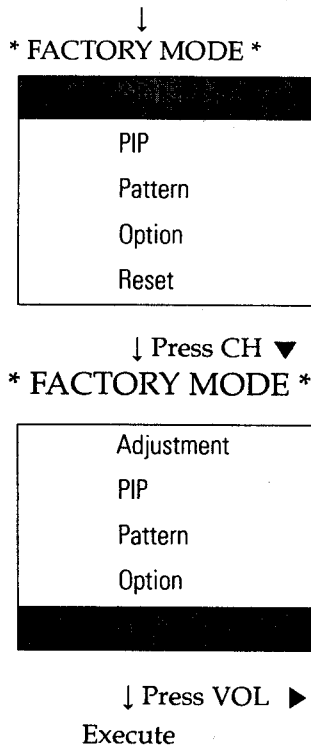
### 3-2-4 Factory Reset

When "Factory Reset" is selected, the User-Control data reverts to the initial values. The User-Control data is available at MENU (picture, sound and the other functions etc.)

Note : When "Factory Reset" is selected, the Factory Mode Data does not change.

Selection sequence :

Stand-By → MUTE → 1 → 8 → 2 → POWER ON



## 3-3 Other Adjustments

### 3-3-1 General

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.
2. Observe the picture for good black and white details. There should be no objectionable color shading. If color shading is present, perform the purity and convergence adjustments described below.
3. Use the specified test equipment or its equivalent.
4. Correct impedance matching is essential.
5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.
6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
8. To protect against shock hazard, use an isolation transformer.

### 3-3-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so external degaussing after moving the TV should be unnecessary. However, the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set has been moved or turned in a different direction, disconnect its AC power for at least 10 Minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before removing power.

### 3-3-3 High Voltage Check

**CAUTION :** There is no high voltage adjustment on this chassis. The B<sup>+</sup> power supply must be set to either +130V or +125V (for 20" screen). Conditions : Full color bar input and normal picture level.

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. The high voltage should not exceed 31 KV.
4. Adjust the Brightness and Contrast controls to both extremes. Ensure that the high voltage does not exceed 31KV under any conditions.

### 3-3-4 FOCUS Adjustment

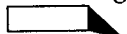
1. Input a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

### 3-3-5 B<sup>+</sup> Line Check

There are 3 power modes :

1. "A" : When AC power supply is connected ; "Stand-By" mode.
2. "B" : When "Set Power-ON" button is pressed.
3. "C" : Operated by FBT.

Each voltage is marked on its lead-in wire.

(  )

### 3-3-6 F/S (Fail Safe) Circuit Check

1. The failsafe circuit check is the final step after servicing.
2. Turn the power switch on and adjust the screen for "Normal".
3. Temporarily short Pin R and Pin X on the chassis (RX05, RX04). Sound and picture will disappear.
4. The TV should remain in this state. This shows that the failsafe circuit is working properly.
5. To restore picture and sound, temporarily turn off the AC power supply. After about 30 seconds, switch power ON.

### 3-3-7 Color Purity Adjustment

1. Warm up the receiver. Operate it for 20 minutes, with the Brightness control set to maximum.
2. Fully degauss the receiver. Use an external degaussing coil.
3. Roughly adjust convergence by rotating the Convergence Magnet.
4. Input a black and white signal.
5. Loosen the Deflection Yoke clamp screw, and move the Deflection Yoke as close to the purity magnet as possible.
6. Loosen the Purity Magnet clamp. Adjust the purity magnet so that the vertical green raster is precisely at the center of the screen. Then tighten the clamp.
7. Slowly move the Deflection Yoke forward, and adjust it for the best overall green screen.
8. Tighten the Deflection Yoke clamp screw.

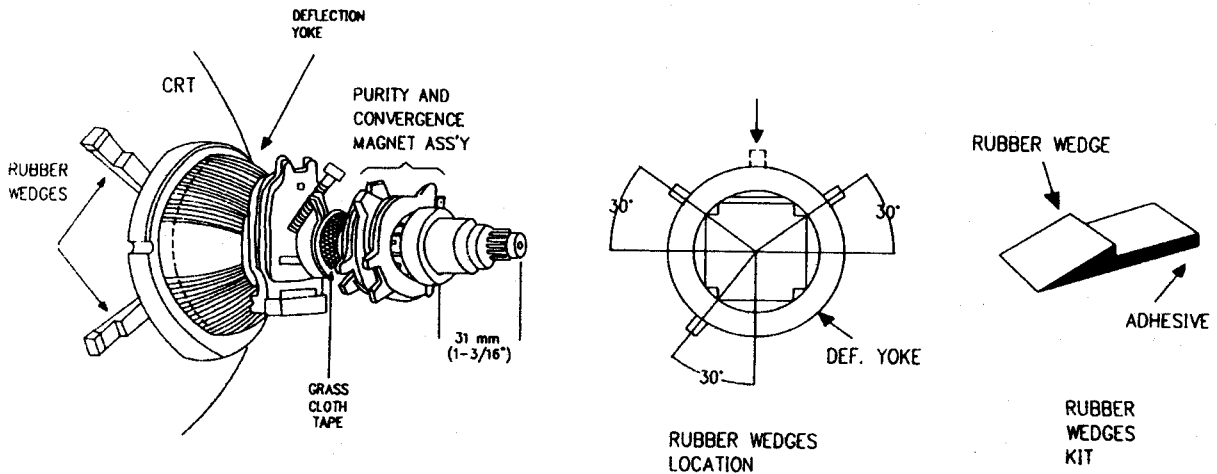


Fig. 3-1 Tube Assembly

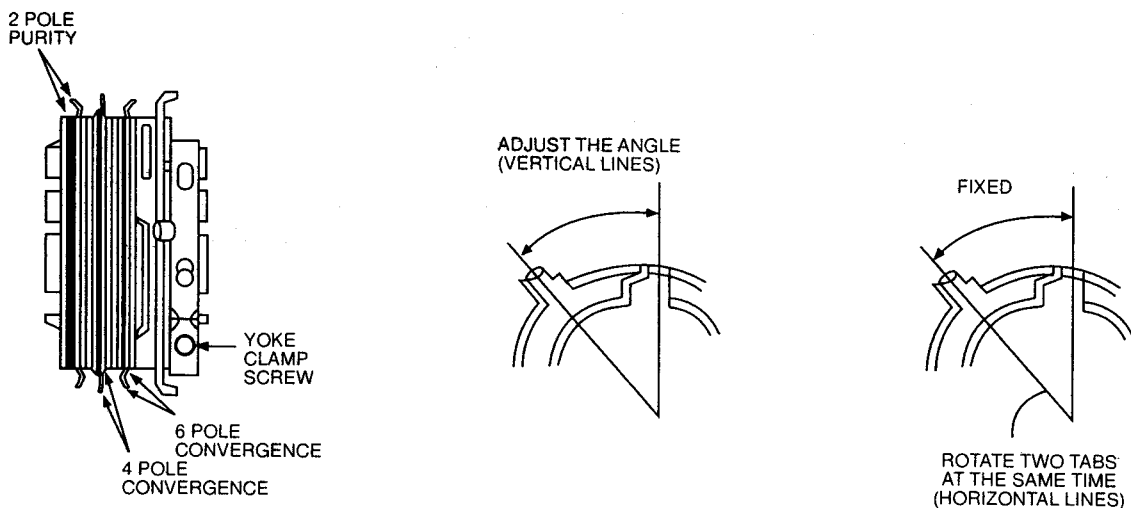


Fig. 3-2 Purity and Convergence Magnets

### 3-3-8 Center Convergence Adjustment

Note: Before attempting any convergence adjustment, make sure that the receiver has been powered ON for at least twenty minutes.

1. Input a crosshatch pattern from a color bar generator.
2. Adjust the Brightness and Contrast controls for a well defined pattern.
3. Adjust the two tabs of the 5-pole magnets. Change the angle between the tabs, and superimpose red and blue vertical lines in the center area of the picture screen.
4. Next, turn both tabs at the same time. Keep the angle between the tabs constant, and superimpose the red and blue horizontal lines at the center of the screen.
5. Adjust the two tabs of the 6-pole magnets. Superimpose the red/blue lines on the green. Adjusting the angle affects the horizontal lines.
6. Repeat adjustments 3, 4 and 5. The dot movement is complex because the 4-pole and 6-pole magnets interact.

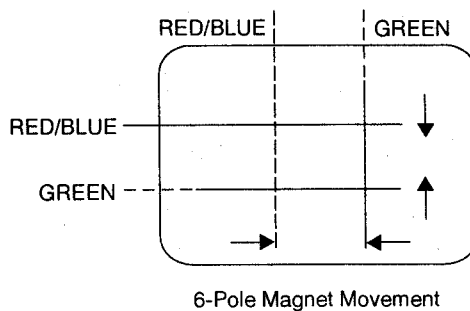
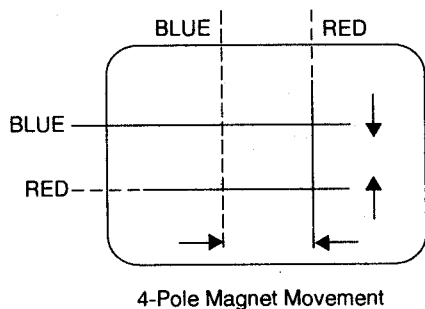


Fig. 3-3 Center Convergence Adjustment

### 3-3-9 AGC Adjustment

1. Input a COLOR-BAR pattern. (CH2)
2. Set the RF input signal to 70 dBuV.
3. Use Generator for PM5518 & PM5418.
4. Set AGC (in the Factory Mode) so that the DC level of AGC TP is 3.4 ( $\pm 0.05$ )V.

### 3-3-10 AFT (VCO Adjustment)

1. Input an AGC adjustment signal.
2. Select Factory Mode VCO and press the MUTE key one time.
3. GEOMATRIX adjustments

VS	EWA
VA	EWP
VSL	EWC
HS	EWT



3-3-11 White Balance Adjustment

3-3-11 (A) SCREEN ADJUSTMENTS

- 1. Convert to the Video Mode.
- 2. Monitor RK, GK and BK on the CRT PCB with an oscilloscope and set the cathode ( of the highest black level) to 170°± 5V with screen VR.

3-3-11 (B) HIGH-LIGHT ADJUSTMENT

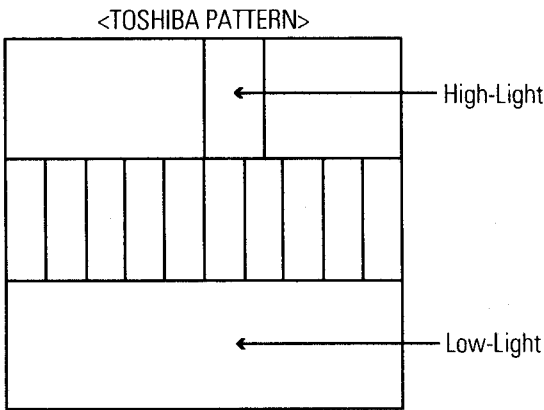
- 1. Input a TOSHIBA pattern.
- 2 Set high-light to 43F/L 268/276 (X,Y) with a color analyzer.
- 3. Set low-light to 1.2F/L
- 4. Adjust RG, BG and set GG to step 40.

3-3-11 (C) SUB-CONTRAST ADJUSTMENT

- 1. Set SCT so that the brightness level in high-light is 43 F/L (for 27" Model).
- 2. Set "SCT" in the Service Mode to step 3. (for 32" Model)

3-3-11 (D) SUB-BRIGHTNESS ADJUSTMENT

- 1. Input a TOSHIBA pattern.
- 2. Set SBT so that the brightness level in low-light is 1.2 F/L.



3-3-11 (E) SUB-COLOR ADJUSTMENT

- 1. Set "SCR" in the Service Mode to step 7 (for 27" model).
- 2. Set "SCR" in the Service Mode to step 0 (for 32" model).

3-3-11 (F) SUB-TINT ADJUSTMENT

- 1. Set "STT" in the Service Mode to step 7 (for 27" model).
- 2. Set "STT" in the Service Mode to step 10 (for 32" model).

3-3-11 (G) VERTICAL SIZE ADJUSTMENT

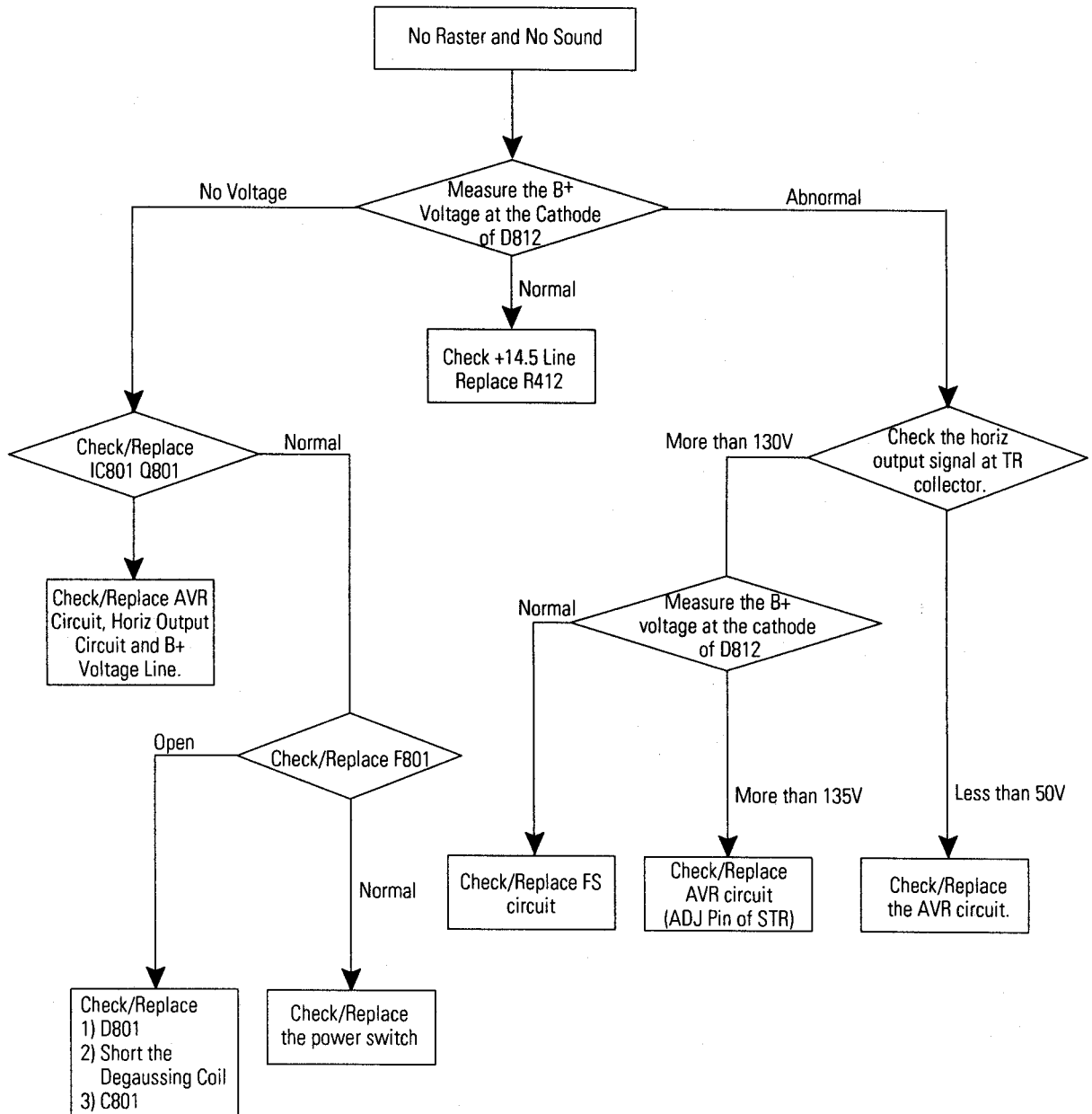
- 1. Input a lion head pattern.
- 2. Set "VS" to 32 in the Factory Mode.
- 3. Set "VA" so that the top margin is 4.0. Adjust "VSL" so that the bottom margin is 4.0. If the top and bottom margins are different, adjust "VA" so that their sum is 8.0.

3-3-11 (H) HORIZONTAL SHIFT ADJUSTMENT

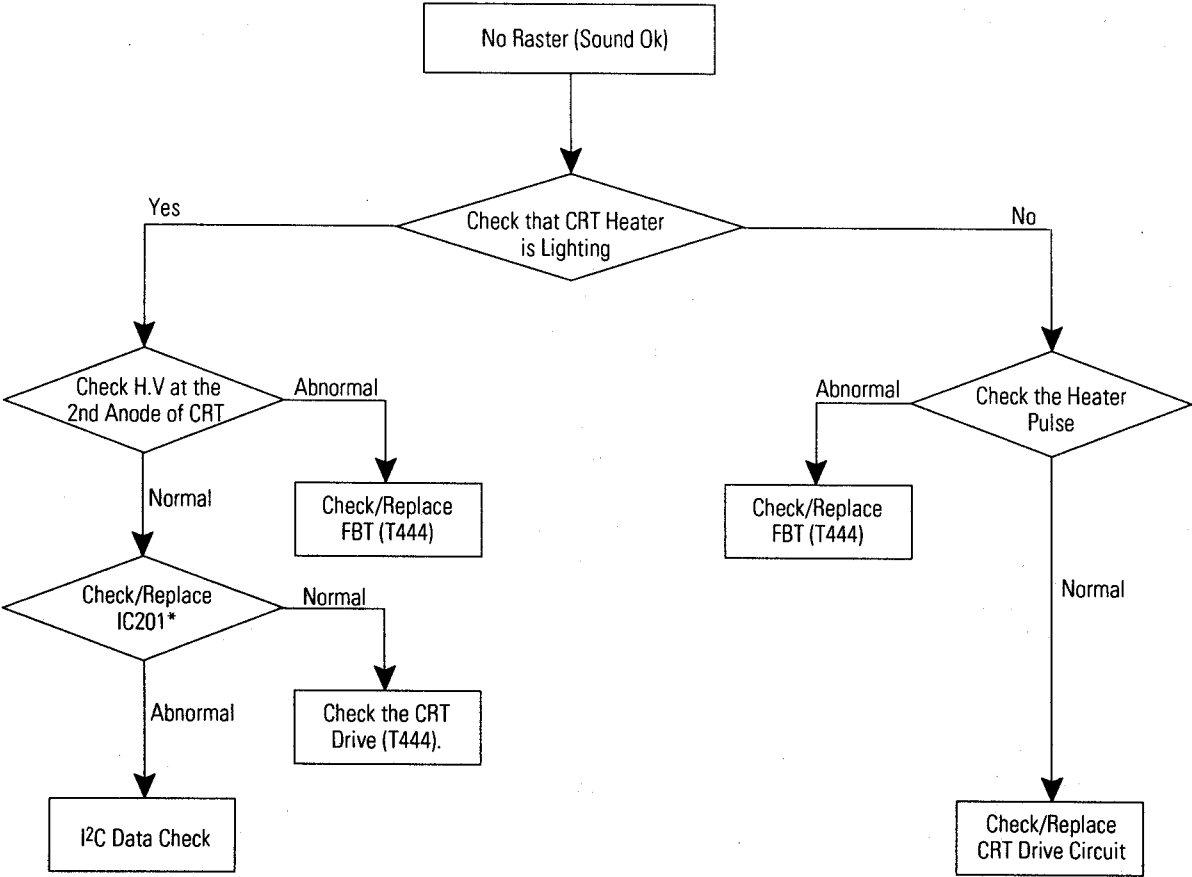
- 1. Input a lion head pattern.
- 2. Adjust "HS" in the Service Mode so that the left and right margins of the lion head pattern are 6.5 (°±0.5) (for 27" model).
- 3. Adjust "HS" in the Service Mode so that the left and right margins of the lion head pattern are 5.0 (±0.5) (for 32" model).

## 4. Troubleshooting

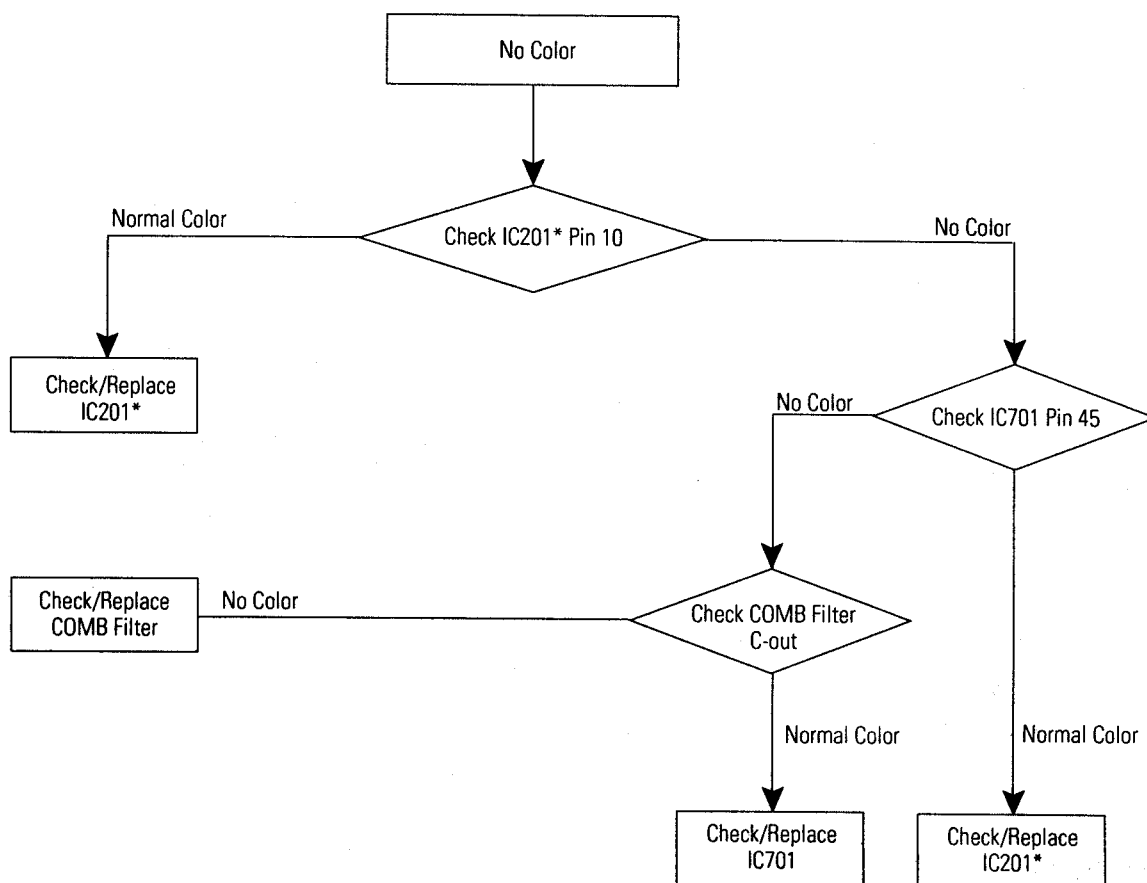
### 4-1 No Raster and No Sound



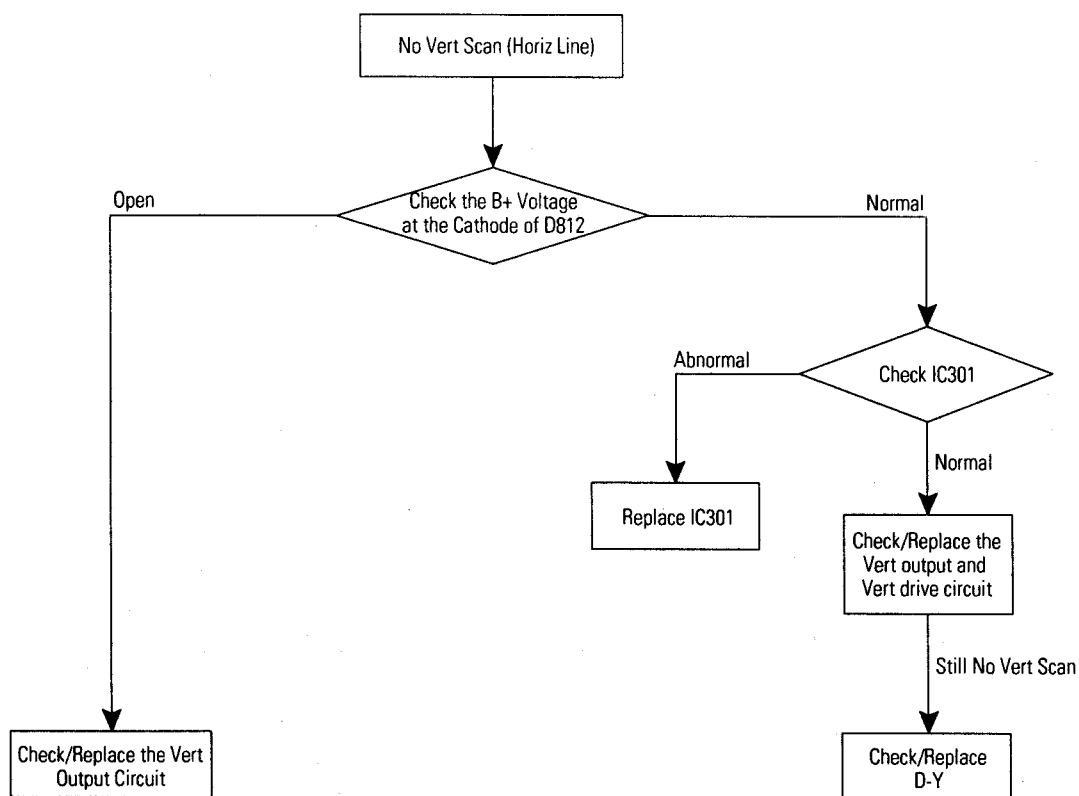
4-2 No Raster (Sound OK)



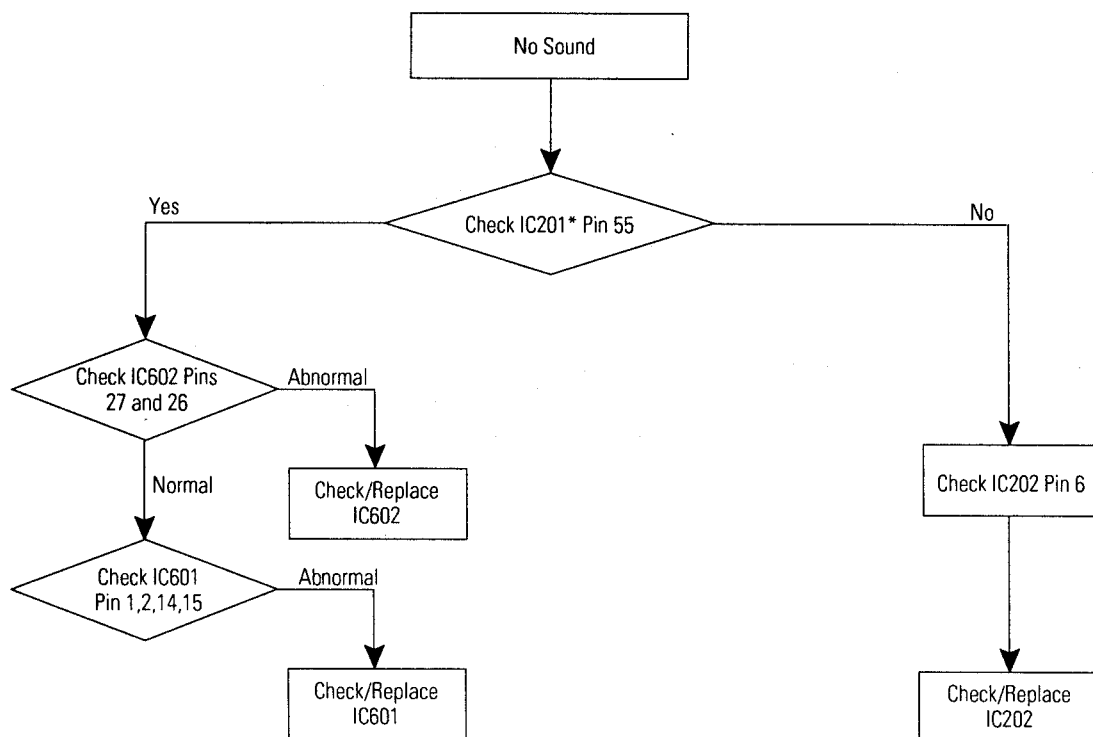
## 4-3 No Color



## 4-4 No Vert Scan (Horizontal Line)



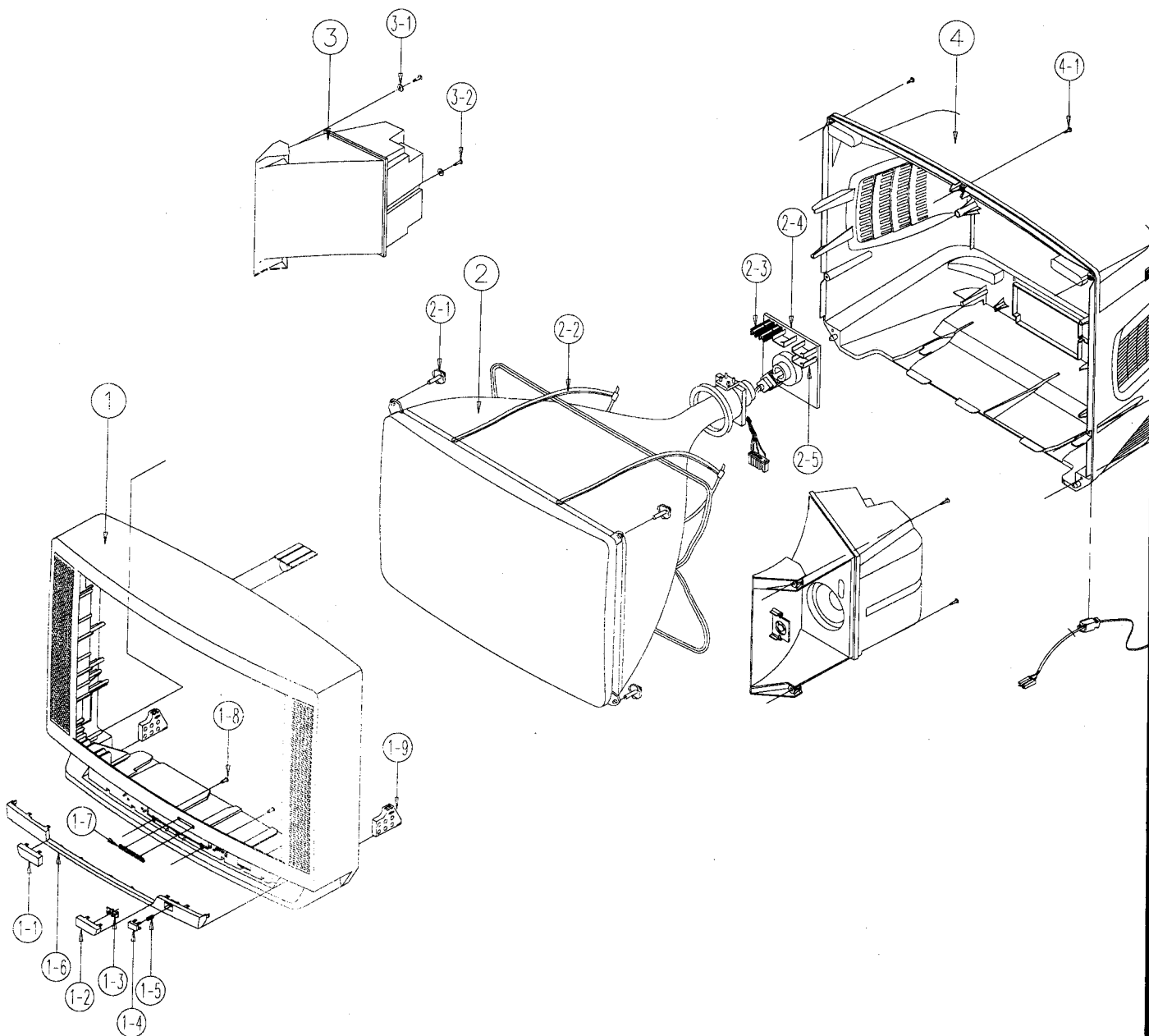
## 4-5 No Sound



No	Code No	Description & Specification	Q'ty	Remarks
1	AA64-30989G	CABINET-FRONT;-,TXF2889,PA100 USA,HIPS,V	1	
1-1	AA64-40363A	WINDOW-LEFT;-,ABS,HB,-,PUPPLE,-,2956	1	
1-2	AA64-40364B	WINDOW-RIGHT;-,7256,NO-SILK,ABS,HB,PUPPL	1	
1-3	AA64-40361A	INDICATOR-LED;-,ABS,HB,-,LGTR558-02396,-	1	
1-4	AA64-10561G	KNOB-POWER;-,3756,C/SILVER GRAY,ABS,HB,B	1	
1-5	AA61-60005K	SPRING-CS;-,SUS304,0.6,OD12.2,H13,N4,-,-	1	
1-6	AA64-40414B	DECORATION-FRONT;-,722A,C/SILVER,HIPS,VO	1	
1-7	AA64-70011B	BADGE-BRAND;AL,SS R2000 25,SILVER,L60,-,	1	
1-8	6002-000406	SCREW-TAPPING(CF+DEC);RH,+ ,2,M3,L10,ZPC(YEL),SWC	2	
1-9	AA61-40030A	SUPPORT-CRT;-,HIPS,HB,-,BLK,-,	2	
2	AA03-10018S	CRT-COLOR;-,A700AZ761X001(DA),	1	
2-1	AA60-10050R	SCREW-ASSY(CRT+CF);WC,HH,+M5,L31.5,SWR	4	
2-2	AA27-20003M	COIL-DEGAUSSING;-,29",140HM,70	1	
2-3	0502-000131	TR-POWER;2SA1011-D,PNP,-180V,-	1	H/SINK(QV09)
2-4	AA97-70005G	ASSY-PCB,CRT;-,KCT55A,29",NT-JUNGNAMMI	1	
2-5	1201-000539	IC-VIDEOAMP;6101,ZIP,9P,-,SING		H/SINK
3	AA91-60251A	ASSY-HOLDER,SPK;-,PP,HB,B,8R 15W,722A	1	
3-1	AA63-60001Q	SPACER-FELT;-,FELT,T0.35,-,150	2	
3-2	AA60-10050A	SCREWASSY(CF+DOME);WP,RH,+ ,M4,L25,SWRCH	4	
4	AA64-31097B	CABINET-BACK;DP,722A,AA64-3099	1	
4-1	6002-000516	SCREW-TAPPING(CB+CF);RH,+ ,2,M4,L20,ZP	7	
5	AA39-10007Y	POWER-CORD;-,EP2/YES,SPT-2 18AWGx2C,2.4m	1	

## 5.Exploded View and Parts List

### 5-1.TXF2889/UCX



## 6. Electric Parts List

### 6-1.TXF2889/UCX

Loc	Part-No	Description & Specification	Remarks
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#### ASSY-PCB,MAIN

	* AA97-10054X	ASSY-PCB,MAIN (COM);TXF2889/UCX,KCT55A,U	
C1	2305-000407	C-FILM,MPEF;470NF,5%,100V,5MM	
C101	2401-000962	C-ELECTROLYTIC;CE04WTAPG50V22M-	
C103	2401-001537	C-AL;47UF,20%,25V,GP,6.3X7MM,5	
C104	2401-000302	C-AL;100UF,20%,25V,GP,6X11MM,5	
C108	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
C109	2401-001115	C-AL;330uF,20%,25V,GP,TP,10x12.5,5	
C112	2305-000665	C-FILM;CF922N63VT104-J40/1053	
C230	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50	
C244	2401-002212	C-AL;10UF,20%,25V,WT,TP,5X11,5	
C250	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
C301	2202-000121	C-CERAMIC,MLC-AXIAL;100PF,10%,	
C302	2305-000285	C-FILM,MPEF;220NF,5%,100V,5MM	
C303	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50	
C304	2305-000285	C-FILM,MPEF;220NF,5%,100V,5MM	
C306	2401-001397	C-AL;470UF,20%,25V,GP,10X16MM,	
C308	2401-001569	C-AL;47UF,20%,50V,GP,10X12.5MM	
C309	2305-000407	C-FILM,MPEF;470NF,5%,100V,5MM	
C310	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6x7x3.2mm,5mm	
C311	2301-000530	C-FILM,PEF;100NF,5%,100V,11.5X	
C401	2301-000313	C-FILM,PEF;8.2NF,5%,100V,7X3.2	
C402	2401-000302	C-AL;100UF,20%,25V,GP,6X11MM,5	
C403	2306-000327	C-FILM;CF922P1.6KVT632-H-25/85	
C404	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
C405	2306-000254	C-FILM,MPPF;7.4NF,3%,1.6KV,2	
C406*	2301-001065	C-FILM,MPPF;47NF,5%,630V,TP,19	
C407	2306-001017	C-FILM,MPPF;680NF,5%,400V,26X1	
C408	2201-000291	C-CERAMIC,DISC;1NF,10%,500V,Y5	
C410	2301-000213	C-FILM,PEF;220NF,5%,250V,21.5X	
C411	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
C412	2401-001397	C-AL;470UF,20%,25V,GP,10X16MM,	
C413	2401-003140	C-AL;47UF,20%,50V,WT/NP,TP,10*	
C414	2401-001661	C-AL;68UF,20%,100V,GP,TP,10X16	
C415	2201-000551	C-CERAMIC,DISC;470PF,10%,1KV,Y	
C416	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
C417	2401-001563	C-ELECTROLYTIC;CE04WTAPG400V47	
C420	2201-000984	C-CERAMIC,DISC;680PF,10%,2KV,Y	
C421	2303-000331	C-FILM;4.7NF,5%,630V,19.5X12X7	
C429*	2301-001067	C-FILM,MPPF;82NF,5%,400V,TP,19	
C431	2306-000001	C-FILM,MPPF;820NF,5%,200V,26X2	
C432	2401-001232	C-AL;4.7UF,20%,250V,GP,10X12.5	
C433	2306-000193	C-FILM,MPPF;360NF,5%,200V,7.	
C601	2305-000665	C-FILM;CF922N63VT104-J40/1053	
C603	2305-000665	C-FILM;CF922N63VT104-J40/1053	
C604	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
C605	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
C606	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
C607	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
C608	2301-000301	C-FILM,PEF;6.8NF,5%,50V,6.5X5.	
C609	2305-000665	C-FILM;CF922N63VT104-J40/1053	
C610	2301-000301	C-FILM,PEF;6.8NF,5%,50V,6.5X5.	
C611	2305-000665	C-FILM;CF922N63VT104-J40/1053	
C612	2401-001914	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C613	2401-001914	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C614	2401-001397	C-AL;470UF,20%,25V,GP,10X16MM,	

Loc	Part-No	Description & Specification	Remarks
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C615	2301-000320	C-FILM,PEF;82NF,5%,50V,8.0X4.5	
C616	2201-000863	C-CERAMIC,DISC;680PF,10%,50V,Y	
C619	2401-000947	C-AL;22UF,20%,35V,GP,5X11MM,5	
C620	2401-000947	C-AL;22UF,20%,35V,GP,5X11MM,5	
C621	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
C623	2401-001026	C-AL;3.3UF,20%,50V,GP,5X11MM,5	
C624	2401-001026	C-AL;3.3UF,20%,50V,GP,5X11MM,5	
C625	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
C626	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
C627	2401-000711	C-AL;220uF,20%,25V,GP,TP,16x25,7.5	
C628	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
C629	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
C630	2401-000603	C-AL;1UF,20%,50V,GP,5X11MM,5MM	
C634	2401-002229	C-AL;470NF,20%,50V,WT,TP,5X11,	
C718	2401-001363	C-AL;470UF,20%,16V,GP,TP,10X12	
C801	2401-003190	C-AL;470UF,20%,450V,GP,BK,35X4	
C802	2201-000332	C-CERAMIC,AC;CK45PTAPGE250V222	
C803	2201-000332	C-CERAMIC,AC;CK45PTAPGE250V222	
C804*	2201-000990	C-CERAMIC,AC;ECK-ZNS472MEX(RO)	
C805	2201-000991	C-CERAMIC,HIC;CK45(T)B2KV561-K	
C806	2401-001385	C-AL;470UF,20%,250V,GP,22X50MM	
C807	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
C808	2401-002288	C-ELEC;CE04-55/10525VT471-MWRG	
C809	2401-000287	C-AL;100UF,20%,16V,WT,6X11MM,5	
C810	2401-000611	C-AL;1UF,20%,50V,WT,5X11MM,5MM	
C811	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
C812	2401-000287	C-AL;100UF,20%,16V,WT,6X11MM,5	
C813	2401-001513	C-AL;47UF,20%,16V,WT,5X11MM,5M	
C814	2306-000318	C-FILM,MPPF;220NF,20%,250V,2	
C815	2401-000293	C-ELECTROLYTIC;CE04WTAPG200V10	
C816	2401-003139	C-AL;1000UF,20%,25V,WT,TP,10*2	
C817	2306-000324	C-FILM;CF922P1.6KVT332-JBUP	
C818	2401-000493	C-AL;10UF,20%,50V,WT,5X11MM,5M	
C819	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
C820	2401-000164	C-ALUMINUM;1000UF,20%,25V,WT,TP,12.5X20	
C821	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
C823	2301-000530	C-FILM,PEF;100NF,5%,100V,11.5X	
C824	2306-000318	C-FILM,MPPF;220NF,20%,250V,2	
C850	2201-000469	C-CERAMIC,DISC;330PF,10%,500V,	
C851	2401-002289	C-ELEC;CE04-40/+10535VT471-MW1	
C852	2401-002597	C-AL;220uF,20%,35V,GP,TP,10x12.5,5	
C853	2401-000045	C-AL;10uF,20%,160V,GP,TP,10x16,5	
C854	2305-000407	C-FILM,MPEF;470NF,5%,100V,5MM	
C855	2201-000599	C-CERAMIC,DISC;560PF,10%,500V,	
C856	2401-000903	C-AL;22UF,20%,160V,WT,10X20MM,	
C857	2201-000990	C-CERAMIC,AC;ECK-ZNS472MEX(RO)	
C858	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
C862	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
C864	2401-000287	C-AL;100UF,20%,16V,WT,6X11MM,5	
C865	2401-001271	C-ELECTROLYTIC;CE04WTAPG50V4.7	
C902	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50	
C903	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C905	2401-001271	C-ELECTROLYTIC;CE04WTAPG50V4.7	
C907	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C908	2201-000573	C-CERAMIC,DISC;47PF,5%,50V,NP0	
C909	2201-000193	C-CERAMIC,DISC;10PF,0.25PF,50V	
C910	2305-000665	C-FILM;CF922N63VT104-J40/1053	
C911	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	



Loc	Part-No	Description & Specification	Remarks
912	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
914*	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50	
915	2401-002460	C-AL;220UF,20%,25V,HR,8K,10X25	
901	2201-000558	C-CERAMIC,DISC;470PF,10%,50V,Y	
902	2401-001397	C-AL;470UF,20%,25V,GP,10X16MM,	
N601	3711-002644	POST-HEADER;67094-005(AUTO)	
N801	3711-002645	POST-HEADER;67094-006(AUTO)	
N902	3711-002643	POST-HEADER;YWO25-04(AUTO)	
N903	3711-002646	POST-HEADER;67094-007(AUTO)	
N905	3711-002644	POST-HEADER;67094-005(AUTO)	
U02	2305-000685	C-FILM;CF922N63VT104-J-40/1053	
U06	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
U07	2201-000138	C-CERAMIC,DISC;100PF,10%,50V,Y	
WIRE3	AA65-30105B	CLAMP-WIRE;NYLON 66,V2,NTR,25MM,ALL MODE	
X01	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
1	0403-001039	DIODE ZENER;MA2560,56V,52-60V,1W,DO-41,T	
202	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
207	0401-000005	DIODE;1N4148TAPG	
208	0401-000005	DIODE;1N4148TAPG	
301	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
302	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
303	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-1	
401	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
403	0402-000266	DIODE-RECTIFIER;RH4F,1500V,1.5	
404	0402-000542	DIODE-RECTIFIER;RU4AM,600V,2A,	
405	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1	
406	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5	
407	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
415	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
416	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
601	0401-000005	DIODE;1N4148TAPG	
802	0401-000005	DIODE;1N4148TAPG	
803	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,	H/SINK
804	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,	
805	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
806	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
807	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1	
808	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
809	0402-000549	DIODE;RBV-606	H/SINK
810	0402-000564	DIODE-FR;FML-G22S200V10A40NS	H/SINK
812	0402-000231	DIODE-RECTIFIER;FMG-G26S,600V,	H/SINK
813	0401-000005	DIODE;1N4148TAPG	
814	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
815	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1	
816	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
903	0401-000005	DIODE;1N4148TAPG	
904	0401-000005	DIODE;1N4148TAPG	
908	0401-000005	DIODE;1N4148TAPG	
910	0401-000005	DIODE;1N4148TAPG	
951	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41	
962	0401-000005	DIODE;1N4148TAPG	
964	0401-000005	DIODE;1N4148TAPG	
965	0401-000005	DIODE;1N4148TAPG	
901	0402-000493	DIODE-RECTIFIER;1R5GU41,400V,1	
U01*	0401-000005	DIODE;1N4148TAPG	
U02*	0401-000005	DIODE;1N4148TAPG	
U03*	0401-000005	DIODE;1N4148TAPG	
X01	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
Z101	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V;	
Z102	0403-000355	DIODE-ZENER;UZ5.1BSB,4.97 ~ 5.17V,0.5UA,500	
Z103	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-	
Z303	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	

Loc	Part-No	Description & Specification	Remarks
DZ305	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8	
DZ306	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	
DZ307	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8	
DZ308	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	
DZ401	0403-000701	DIODE-ZENER;TZP5.1A,5.1V,4.8-5.4V,1W,DO-4	
DZ402	0403-000355	DIODE-ZENER;UZ5.1BSB,4.97 ~ 5.17V,0.5UA,500	
DZ403	0403-000300	DIODE-ZENER;MTZ8.2B,7.78-19V,	
DZ404	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,	
DZ601	0403-000289	DIODE-ZENER;MTZ10C,10V,9.7-10.2V,500MV,D	
DZ602	0403-000289	DIODE-ZENER;MTZ10C,10V,9.7-10.2V,500MV,D	
DZ802	1405-001036	VARIATOR;430V,2500A,14x8.5mm,TP	
DZ803	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-	
DZ804	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-1	
DZ806	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-1	
DZ807	0403-000296	DIODE-ZENER;EQA02-06A/MTZ5.6B(	
DZ808	0403-000296	DIODE-ZENER;EQA02-06A/MTZ5.6B(	
DZ809	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.	
DZ901	0403-000355	DIODE-ZENER;UZ5.1BSB,4.97 ~ 5.17V,0.5UA,500	
DZ902	0403-000560	DIODE-ZENER;MTZ6.8B,6.8V,6.49-	
DZ903	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZ904	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZ905	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZ906	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZ907	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZ908	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZ909	0403-000297	DIODE-ZENER;EQA02-06D/MTZ6.2B(	
DZX01	0403-000667	DIODE-ZENER;MTZ6.8A,6.8V,6.29-	
GT503	AA39-20010B	LEAD-CONNECTOR,ASSY;,-YFH800-01,500MM,1P	
H001	AA59-40001U	MODULE-MTS;,-MZ-200,ZENITH,USA	
H004	AA29-10002A	FILTER-COMB;UGL352KNT(SHOWA)	
HC802	AA13-20003A	IC-HYBRID;,-PCL001T,SIP,5P,SMP	
HLDCHA	AA61-20279A	HOLDER-CHASSIS;DP,722A,,-,A	
HLDPCH	AA61-20278A	HOLDER-VER,PCB;,-V3-NTSC,ABS,V	
HV + HC	6002-000430	SCREW-TAPPING;RH,+,2,M4,110,2P	
IC101	1203-000298	IC-POS.FIXEDREG.;7809,TO-220,	
IC301	1204-000426	IC-VERTICALPROCESSOR;TDA8350Q/N	H/SINK
IC601	1201-001064	IC-POWERAMP;7297,ZIP,15P;,-0UA	H/SINK
IC602	0904-000004	IC-LINEAR;UPC18532CDIPTV-VIDEO	
IC801	AA13-20002K	IC-HYBRID;,-STR-S6709LF953,SIP	H/SINK
IC802	1203-000575	IC-SWREGU;TDA8133SIP9P	H/SINK
IC851	0604-001038	PHOTOCOUPLER;TR,130-260V,200MW	
IC852	AA13-20004H	IC-HYBRID;,-SE135N-LF12,TO220-L	
IC853	1203-000165	IC-POS.ADJUSTREG.;78R12,TO-22	H/SINK
IC854	1203-000274	IC-POS.FIXEDREG.;7805,TO-220,	
IC901*	AA13-30015U	IC-MCU;Z8933212PSC-R3207,16BIT	
IC902	1103-001107	IC-EEPROM;24C020,256X8BIT,DIP,8P,300MIL	
JA701	3722-000499	JACK-RCA;9P(SI);,-,SN	
L101	2701-000115	INDUCTOR-AXIAL;10UH,10%,2.8X7M	
L204	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
L205	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
L206	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
L207	2701-000115	INDUCTOR-AXIAL;10UH,10%,2.8X7M	
L301	2701-000116	INDUCTOR-AXIAL;10UH,10%,4.2X9.	
L302	2701-000116	INDUCTOR-AXIAL;10UH,10%,4.2X9.	
L303	AA27-40003J	COIL-HORIZ,WIDTH;,-3MH,ER1420,	
L304	AA27-10001E	COIL-CHOKE;,-1.0UH,K,25,2100A,	
L305	AA27-10001E	COIL-CHOKE;,-1.0UH,K,25,2100A,	
L306	2701-000116	INDUCTOR-AXIAL;10UH,10%,4.2X9.	
L402	AA27-30003J	COIL-LINEARITY;,-50UH,DR14X20,	
L403	2901-000296	FILTER-EMIBEAD;BFS3550R2FD8GSB	
L404	AA27-40003N	COIL-HORIZ,WIDTH;,-560UH,DR15X	
L405	AA27-40003K	COIL-HORIZ,WIDTH;,-220UH,DR14X	
L602	2701-000116	INDUCTOR-AXIAL;10UH,10%,4.2X9.	

Loc	Part-No	Description & Specification	Remarks
L801	AA29-30002F	FILTER-LINENOISE; .6MH,2.45A,-	
L802	AA29-30002F	FILTER-LINENOISE; .6MH,2.45A,-	
L804	2901-000296	FILTER-EMIBEAD;BFS3550R2FD8GSB	
L807	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
L808	2901-000296	FILTER-EMIBEAD;BFS3550R2FD8GSB	
L809	AA27-10002Y	COIL-CHOKE; .100UH,K,10,700MA,	
L810	AA27-10002Y	COIL-CHOKE; .100UH,K,10,700MA,	
L811	2901-000296	FILTER-EMIBEAD;BFS3550R2FD8GSB	
L812	2901-000296	FILTER-EMIBEAD;BFS3550R2FD8GSB	
L813	AA27-10002Y	COIL-CHOKE; .100UH,K,10,700MA,	
L863	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
L864	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6.	
L901	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
L902	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
N7801	1404-000181	THERMISTOR-NTC;4.70HM,20%,2900	
P801	1404-000178	THERMISTOR-PTC;70HM,20%,290V	
PM+HC	AA60-10008A	SCREW-TAPPING; .TH, +,M3,L10,ZP	
Q204	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
Q301	0502-000242	TR-POWER;KSA614,P,NP,-80V,-55V,	H/SINK
Q401	0502-001007	TR-POWER;KSC2073-H2,NPN,150V,1	
Q402	0502-000450	TRANSISTOR;2SD1887YD	H/SINK
Q601	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
Q801	0503-000153	TR-DARLINGTON;TIP1022W8A100VSI	
Q802	0502-000244	TR-POWER;KSA940,P,NP,-150V,-150	
Q901	0504-000123	TR-DIGITAL;KSR1010,NPN,300MW,1	
Q951	0501-000369	TRANSISTOR;KSC2331-Y(TAPG)	
QU03	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QU05	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
QX01	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
R103	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,	
R104	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R105	2003-002064	R-METALOXIDE;7.5OHM,5%,2W,AF,T	
R106	2008-001033	R-FUSIBLE(S);100HM,5%,2W,AF,TP	
R107	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
R108	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
R109	2003-001027	R-METAL OXIDE(S);180HM,5%,2W,AF,TP,3.9X1	
R110	2003-001027	R-METAL OXIDE(S);180HM,5%,2W,AF,TP,3.9X1	
R211	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,	
R212	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,	
R217	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,	
R219	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,	
R233	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R240	2001-000755	R-CARBON;430KOHM,5%,1/8W,AA,TP	
R301	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
R307	2001-000016	R-CARBON(S);10HM,5%,1/2W,AA,TP	
R308	2001-000016	R-CARBON(S);10HM,5%,1/2W,AA,TP	
R309	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AB,	
R310	2001-001149	R-CARBON(S);43KOHM,5%,1/2W,AA,	
R311	2008-000257	R-FUSIBLE(S);1.50HM,5%,2W,AF,T	
R312	2008-000257	R-FUSIBLE(S);1.50HM,5%,2W,AF,T	
R313	2008-000252	R-FUSIBLE(S);0.470HM,10%,1/2W,	
R314	2001-001155	R-CARBON(S);5.6Kohm,5%,1/2W,AA,TP,2.4x6.	
R315	2003-000998	R-METALOXIDE;3000HM,5%,2W,AF,T	
R316	2003-000998	R-METALOXIDE;3000HM,5%,2W,AF,T	
R402	2004-000698	R-METAL;3.3KOHM,1%,1/4W,AA,TP,	
R403	2001-000037	R-CARBON(S);3300HM,5%,1/2W,AA,	
R404	2001-000020	R-CARBON(S);220HM,5%,1/2W,AA,T	
R405	2001-001163	R-CARBON(S);5600HM,5%,1/2W,AA,	
R407	2004-001986	R-METAL;35.7KOHM,1%,1/2W,AA,TP	
R408	2004-002022	R-METAL,FILM;RM1/2T51K-F	
R409	2008-000204	R-FUSIBLE(S);0.220HM,10%,1/2W,	
R410	2008-001011	R-FUSIBLE(S);0.180HM,10%,2W,AF	
R411	2008-000264	R-FUSIBLE(S);10HM,5%,1W,AF,TP,	

Loc	Part-No	Description & Specification	Remarks
R412	2008-001018	R-FUSIBLE(S);0.470HM,10%,2W,AF	
R413	2008-000206	R-FUSIBLE(S);10HM,5%,1/2W,AF,T	
R414	2003-000993	R-METALOXIDE(S);3.9KOHM,5%,1W,	
R416	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R417	2008-001003	R-FUSIBLE(S);5.60HM,5%,1W,AF,T	
R419	2001-001077	R-CARBON(S);1500HM,5%,1/2W,AA,	
R420	2001-001077	R-CARBON(S);1500HM,5%,1/2W,AA,	
R453	2001-001146	R-CARBON(S);4.70HM,5%,1/2W,AA,	
R457	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A	
R458	2003-000586	R-METALOXIDE(S);22KOHM,5%,2W,A	
R601	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,	
R602	2001-000539	R-CARBON;24KOHM,5%,1/8W,AA,TP,	
R606	2001-000989	R-METAL;820Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R607	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
R608	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
R609	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP	
R610	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
R611	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AB,	
R612	2001-000028	R-CARBON(S);1000HM,5%,1/2W,AB,	
R613	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
R614	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
R615	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R616	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP	
R618	2001-001146	R-CARBON(S);4.70HM,5%,1/2W,AA,	
R619	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
R620	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP,	
R666	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R667	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R720	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA	
R721	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA	
R724	2001-000117	R-CARBON(S);68ohm,5%,1/2W,AA,TP,2.4x6.4mm	
R725	2001-001050	R-CARBON(S);1.5KOHM,5%,1/2W,AA	
R800	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,T	
R801	2009-000026	R-METALPLATE;0.150HM,10%,5W,CL	
R803	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,T	
R804	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA	
R805*	2002-000334	R-COMPOSITION;RC1/2T8.2M-K/ERC	
R806	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,	
R807	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,	
R808	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA	
R809	2003-000713	R-METALOXIDE(S);470HM,5%,2W,AD	
R810	2003-001038	R-METALOXIDE(S);4.70HM,5%,2W,A	
R811	2003-000746	R-METALOXIDE(S);560HM,5%,2W,AD	
R812	2008-000251	R-FUSIBLE(S);0.270HM,10%,2W,AF	
R813	2001-001078	R-CARBON(S);15KOHM,5%,1/2W,AA,	
R814	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,T	
R815	2006-000295	R-CEMENT;RWC51110-JTWCR-ET	
R816	2003-001090	R-METALOXIDE;RS2RT(S)103-J10K	
R817	2003-001090	R-METALOXIDE;RS2RT(S)103-J10K	
R818	2003-001090	R-METALOXIDE;RS2RT(S)103-J10K	
R820	2001-001187	R-CARBON(S);750HM,5%,1/2W,AA,T	
R821	2001-001143	R-CARBON(S);4.3KOHM,5%,1/2W,AA	
R822	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP	
R823	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,	
R824	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
R825	2008-000249	R-FUSIBLE(S);0.270HM,10%,1W,AF	
R826	2008-000249	R-FUSIBLE(S);0.270HM,10%,1W,AF	
R851	2001-001143	R-CARBON(S);4.3KOHM,5%,1/2W,AA	
R852	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
R853	2008-001053	R-FUSIBLE;220HM,5%,1/2W,AF,TP,	
R854	2003-002020	R-METALOXIDE(S);56KOHM,5%,2W,A	
R855	2003-002020	R-METALOXIDE(S);56KOHM,5%,2W,A	
R856	2003-002020	R-METALOXIDE(S);56KOHM,5%,2W,A	

Loc	Part-No	Description & Specification	Remarks
R857	2003-002020	R-METALOXIDE(S);56KOHM,5%,2W,A	
R902	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R903	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
R904	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
R906	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP	
R907*	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,	
R911	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R913	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R914	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
R915	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP	
R916	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R917	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R920	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,	
R921	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,	
R922	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
R923	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,	
R924	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
R925	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
R926	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
R927	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R928	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R930	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
R931	2001-000010	R-CARBON;68Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R932	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,	
R933	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R934	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R935	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,	
R936	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
R951	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R952	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP	
R955	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R956	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R957	2001-000117	R-CARBON(S);68ohm,5%,1/2W,AA,TP,2.4x6.4mm	
R958	2004-000152	R-METAL;1.5KOHM,2%,1/8W,AA,TP,	
R959	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R961	2001-000679	R-CARBON;36KOHM,5%,1/8W,AA,TP,	
R962	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
R963	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
R964	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4	
R965	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP	
R966	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,	
R967	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP	
R968	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,	
RB01	2008-001011	R-FUSIBLE(S);0.18OHM,10%,2W,AF	
RL801	3501-001040	RELAYPOWER;12VDC,500MW,10A,1FO	
RU01	2002-000326	R-COMPOSITION;RC112T1.8M-K/ERC	
RU02	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RU03	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
RU04	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
RU07*	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RU08*	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,	
RU09*	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,	
RU10*	2001-000005	R-CARBON;390OHM,5%,1/8W,AA,TP,	
RU12	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,	
RU13	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP	
RU14	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
RU15	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
RU16	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
RU17*	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RU18*	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RU19*	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RX01	2001-000397	R-CARBON;180KOHM,5%,1/8W,AA,TP	
RX02	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,	

Loc	Part-No	Description & Specification	Remarks
RX03	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,	
RX04	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,	
RX05	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,	
T401	AA26-50001L	HORIZ.DRIVE;29MH,133UH,4.5UH	
T402	AA26-90002C	TRANS-DUMMY;3.5MH,EER2834,13	
T444	AA26-30004R	TRANS-FLYBACK;FCZ-29A008(S),	
T801	AA26-20006S	TRANS-SWITCHING;80~280V,135/	
TU01*	AA40-10005T	TUNER-F/S;TECC1070P626A(S),NTS	
X901	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,2	

### ASSY-PCB,PIP/SWITCH

* AA95-90019D	ASSY-PCB,PIP/SWITCH;CT722AP/MVTX,KCT55	
C701	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C702	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C703	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C704	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C705	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C706	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C707	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C708	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C709	2201-000986	C-CERAMIC,DISC;12pF,5%,50V,NPO,TP,5x3mm,
C710	2401-000404	C-AL;10uF,20%,16V,BP,TP,5x11,5
C711	2401-000404	C-AL;10uF,20%,16V,BP,TP,5x11,5
C712	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C713	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C714	2201-000986	C-CERAMIC,DISC;12pF,5%,50V,NPO,TP,5x3mm,
C715	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5
C716	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5
C717	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C718	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C719	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5
C720	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5
C721	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP
CN701	3711-002708	CONNECTOR-HEADER;NOWALL,10P,1R,2.5mm,ANG
CN702	3711-003577	CONNECTOR-HEADER;NOWALL,11P,1R,2.5mm,ANG
CN703	3711-002706	CONNECTOR-HEADER;NOWALL,8P,1R,2.5mm,ANGL
CN704	3711-002706	CONNECTOR-HEADER;NOWALL,8P,1R,2.5mm,ANGL
CN705	3711-000661	CONNECTOR-HEADER;BOX,12P,1R,2.5m
CP01	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m
CP02	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5
CP03	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216
CP04	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,5mm
CP05	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,
CP06	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5
CP07	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m
CP08	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7.3x3mm,5mm
CP09	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm
CP10	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,
CP11	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m
CP12	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,
CP13	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5
CP14	2203-000429	C-CERAMIC,CHIP;18pF,5%,50V,NPO,TP,2012,-
CP15	2203-000429	C-CERAMIC,CHIP;18pF,5%,50V,NPO,TP,2012,-
CP16	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216
CP17	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5
CP18	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m
CP19	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5
CP20	2202-000830	C-CERAMIC,MLC-AXIAL;82pF,10%,50V,Y5P,TP,
CP21	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,
CP24	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m
CP25	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m

Loc	Part-No	Description & Specification	Remarks
CP26	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CP27	2203-001048	C-CERAMIC,CHIP;560pF,10%,50V,NPQ,TP,2012	
CP28	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
CP29	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11.5	
CP30	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,5mm	
CP31	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6	
CP32	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11.5	
CP34	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,5mm	
CP37	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11.5	
CP39	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	
CP40	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	
CP41	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6	
CP45	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216	
CP46	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
DP01	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DP02	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DP03	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DP04	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DP05	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DP06	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DP07	0401-000005	DIODE-SWITCHING;1N4148,75V,300mA,DO-35,T	
DZ701	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ702	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ703	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ704	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ705	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ706	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ707	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ708	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZ709	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500m	
DZP01	0403-000300	DIODE-ZENER;MTZ8.2B,8.2V,7.78-8.19V,500m	
DZP03	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
DZP04	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500m	
GP01	AA61-10068A	BRACKET-PCB;M2160,SPT,TO.3,...	
GP02	AA61-10068A	BRACKET-PCB;M2160,SPT,TO.3,...	
IC701	1001-001031	IC-RF/VIDEO AUDIO SW;1855,,DIP,48P,,SING	
ICP01	1204-000530	IC-PAL/NTSC DECODER;TDA9160A,DIP,32P,400	
ICP02	1204-001175	IC-PICTURE PROCESS;SDA9288X A141,SOP,32P	
L701	2701-000118	INDUCTOR-AXIAL;120uH,10%,2.5x3.4mm	
L702	2701-000118	INDUCTOR-AXIAL;120uH,10%,2.5x3.4mm	
LP01	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
Q701	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q702	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
Q703	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
Q704	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP02	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP04	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP05	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP06	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QP07	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
QP08	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QP09	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QP10	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,T	
QP11	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
R701	2001-000019	R-CARBON(SI);10ohm,5%,1/2W,AA,TP,2.4x6.4m	
R702	2001-001088	R-CARBON(SI);1Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R703	2001-000019	R-CARBON(SI);10ohm,5%,1/2W,AA,TP,2.4x6.4m	
R704	2001-001088	R-CARBON(SI);1Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R705	2001-000019	R-CARBON(SI);10ohm,5%,1/2W,AA,TP,2.4x6.4m	
R706	2001-000019	R-CARBON(SI);10ohm,5%,1/2W,AA,TP,2.4x6.4m	
R707	2001-001088	R-CARBON(SI);1Kohm,5%,1/2W,AA,TP,2.4x6.4m	

Loc	Part-No	Description & Specification	Remarks
R708	2001-001088	R-CARBON(SI);1Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R709	2001-001187	R-CARBON(SI);75ohm,5%,1/2W,AA,TP,2.4x6.4m	
R710	2001-000085	R-CARBON(SI);100Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R711	2001-001187	R-CARBON(SI);75ohm,5%,1/2W,AA,TP,2.4x6.4m	
R712	2001-000085	R-CARBON(SI);100Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R713	2001-001187	R-CARBON(SI);75ohm,5%,1/2W,AA,TP,2.4x6.4m	
R714	2001-001187	R-CARBON(SI);75ohm,5%,1/2W,AA,TP,2.4x6.4m	
R715	2001-000085	R-CARBON(SI);100Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R716	2001-000085	R-CARBON(SI);100Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R717	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R718	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R719	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R720	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R721	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R722	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R723	2001-000924	R-CARBON;680ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R724	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R725	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R726	2001-000628	R-CARBON;300ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R727	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R728	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R729	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R730	2001-001000	R-CARBON;82Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R731	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R732	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R733	2003-001037	R-METAL OXIDE(SI);39ohm,5%,2W,AF,TP,3.9x1	
RP01	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP02	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP03	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP04	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP05	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP06	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP07	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP08	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP09	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP10	2001-000613	R-CARBON;3.9Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP11	2007-000493	R-CHIP;2.2Kohm,5%,1/10W,DA,TP,2012	
RP12	2007-000409	R-CHIP;15Kohm,5%,1/10W,DA,TP,2012	
RP13	2007-000290	R-CHIP;100ohm,5%,1/10W,DA,TP,2012	
RP14	2001-000837	R-CARBON;51Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP15	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP16	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP17	2007-001071	R-CHIP;6.8Kohm,5%,1/10W,DA,TP,2012	
RP18	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP19	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP20	2001-000007	R-CARBON;3Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP21	2001-000007	R-CARBON;3Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP22	2001-001077	R-CARBON(SI);150ohm,5%,1/2W,AA,TP,2.4x6.4m	
RP23	2001-000008	R-CARBON;15Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP24	2001-000554	R-CARBON;270ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP25	2001-000435	R-CARBON;1Mohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP26	2001-000605	R-CARBON;3.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP27	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP29	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP30	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP32	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP33	2001-000325	R-CARBON;120ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP35	2001-000924	R-CARBON;680ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP36	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP37	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP38	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RP39	2007-000401	R-CHIP;150ohm,5%,1/10W,DA,TP,2012	
RP40	2007-000029	R-CHIP;0ohm,5%,1/10W,DA,TP,2012	

Loc	Part-No	Description & Specification	Remarks
P42	2007-000030	R-CHIP;560ohm,5%,1/10W,DA,TP,2012	
P43	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
P44	2007-000030	R-CHIP;560ohm,5%,1/10W,DA,TP,2012	
P45	2007-000586	R-CHIP;22Kohm,5%,1/10W,DA,TP,2012	
P50	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
P51	2003-000458	R-METAL OXIDE(S);100ohm,5%,2W,AF,TP,4x12	
P52	2007-000033	R-CHIP;0ohm,5%,1/8W,DA,TP,3216	
P65	2007-000033	R-CHIP;0ohm,5%,1/8W,DA,TP,3216	
P67	2007-000033	R-CHIP;0ohm,5%,1/8W,DA,TP,3216	
P68	2007-000033	R-CHIP;0ohm,5%,1/8W,DA,TP,3216	
P01	2801-000229	CRYSTAL-UNIT;3.579545MHZ,30PPM,28-AAM,S	
P02	2801-003485	CRYSTAL-UNIT;21.059153MHz,30ppm,28-ABQ,1	

#### ASSY-PCB,SNAPIN

\* AA95-90020U ASSY-PCB,SNAP IN;DP,CT722APIASPCX,KCT55A

C01	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	
N903B	AA39-20462C	LEAD CONNECTOR-ASSY;:67096-007,FLAT,7,2	
C01	AA59-60003N	MODULE-REMOCON;:ORC-30V2/SRV-16,38KHz,9	
C01	2001-001108	R-CARBON(S);22Kohm,5%,1/2W,AA,TP,2.4x6.4	
C02	2001-000020	R-CARBON(S);22ohm,5%,1/2W,AA,TP,2.4x6.4m	
C03	2001-000995	R-CARBON;820ohm,5%,1/8W,AA,TP,1.8x3.2mm	
C04	2001-000232	R-CARBON;1.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
C05	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
C06	2001-000995	R-CARBON;820ohm,5%,1/8W,AA,TP,1.8x3.2mm	
C07	2001-000232	R-CARBON;1.3Kohm,5%,1/8W,AA,TP,1.8x3.2m	
C08	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2m	
WC01	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
WC02	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
WC03	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
WC04	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
WC05	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
WC06	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	
WC07	3404-000176	SWITCH-TACT;12V,50mA,90-150gf,6x6mm,SPST	

#### ASSY-DRAWER

\* AA91-20053G ASSY-DRAWER;:C/SILVER,Q-PJT(56)

#### ASSY-POWER,CORD

CORD	AA61-20045A	HOLDER-CORD;:PP,VO,BLK,DO,-	
CORD	AA39-10007Y	POWER-CORD;:EP2/YES,SPT-2 18AWGx2C,2.4m	

#### ASSY-ACCESSORY

ATCH	AA39-40001F	CABLE-RCA;:RCA,150MM,0.12/10,	
B	AA68-11056A	MANUAL-USERS;KCT55A,W/P100(G),	
MATC	L2759-115-040	TRANS-MATCHING;R300-R75(C,R-MU	

#### ASSY-CRT

RT	AA03-10018S	CRT-COLOR;:A70QA2761X001(DA),	
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#### ASSY-PCB,CRT

\* AA97-70005G ASSY-PCB,CRT;:KCT55A,29",NT-JUNGNAMMI

502	2305-000288	C-FILM,MPEF;220NF,5%,50V,7.3X4	
503	2401-000832	C-AL;220UF,20%,25V,GP,8X11MM,5	
504	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50	
505	2202-000861	C-CERAMIC;CCOACH50VT120-JUP050	

Loc	Part-No	Description & Specification	Remarks
C506	2202-000861	C-CERAMIC;CCOACH50VT120-JUP050	
C507	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
C508	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
C509	2201-000556	C-CERAMIC,DISC;470PF,10%,500V,	
C510	2401-001259	C-AL;4.7UF,20%,400V,GP,TP,10X1	
C511	2305-000154	C-FILM,MPEF;100NF,5%,400V,21.5	
C512	2305-000154	C-FILM,MPEF;100NF,5%,400V,21.5	
C514	2201-000379	C-CERAMIC,DISC;22NF,+80-20%,50	
C515	2401-002264	C-AL;10UF,20%,350V,GP,TP,10X20	
C516	2305-000154	C-FILM,MPEF;100NF,5%,400V,21.5	
C517	2201-000969	C-CERAMIC;CK4524V3KVT103-ZHCFZ	
C519	2401-000832	C-AL;220UF,20%,25V,GP,8X11MM,5	
C520	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
CN501	3711-002641	POST-HEADER;67094-010(AUTO)	
CN501	AA39-20025E	LEAD-CONNECTOR,ASSY;:67096-01	
CNV01	3711-002642	POST-HEADER;67094-003(AUTO)	
CNV02	3711-002645	POST-HEADER;67094-006(AUTO)	
CNV02	AA39-20027B	LEAD-CONNECTOR,ASSY;:67096-00	
CV01	2401-000832	C-AL;220UF,20%,25V,GP,8X11MM,5	
CV02	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
CV04	2401-000914	C-AL;22UF,20%,16V,GP,5X11.5,TP	
CV05	2201-000976	C-CERAMIC,DISC;22PF,5%,50V,NPO	
CV06	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11.5	
CV07	2201-000651	C-CERAMIC,DISC;68PF,5%,50V,NPO	
CV08	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
CV09	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
CV10	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
CV11	2201-000651	C-CERAMIC,DISC;68PF,5%,50V,NPO	
CV12	2201-000180	C-CERAMIC,DISC;10NF,10%,50V,Y5V,TP,6.5*3	
CV13	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	
CV14	2201-000651	C-CERAMIC,DISC;68PF,5%,50V,NPO	
CV15	2201-000516	C-CERAMIC,DISC;4.7NF,+100-0%,5	
CV16	2201-000516	C-CERAMIC,DISC;4.7NF,+100-0%,5	
CV17	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
CV18	2401-001157	C-ELECTROLYTIC;CE04WTAPG160V33	
CV19	2305-000704	C-M,POLYESTER;CFS922MTAPG250V1	
CV20	2201-000604	C-CERAMIC,DISC;56PF,+100-0%,50	
CV21	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
D501	0401-000005	DIODE;1N4148TAPG	
D503	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,00-41	
D504	0401-000005	DIODE;1N4148TAPG	
D505	0401-000005	DIODE;1N4148TAPG	
D506	0401-000005	DIODE;1N4148TAPG	
D507	0401-000005	DIODE;1N4148TAPG	
D508	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
D509	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
D510	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
DV01	0401-000005	DIODE;1N4148TAPG	
DV02	0401-000005	DIODE;1N4148TAPG	
DV03	0401-000005	DIODE;1N4148TAPG	
DV04	0401-000005	DIODE;1N4148TAPG	
DV05	0401-000005	DIODE;1N4148TAPG	
DV06	0401-000005	DIODE;1N4148TAPG	
DV07	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
DV08	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,40	
DZ501	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-1	
DZ503	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-1	
DZ504	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-1	
DZ505	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-	
DZV01	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-1	
HC501	AA13-20003C	IC-HYBRID;:SPK101T,SIP,6P,SPO	
IC501	1201-000539	IC-VIDEOAMP;6101,ZIP,9P;:SING	H/SINK
IC502	1201-000539	IC-VIDEOAMP;6101,ZIP,9P;:SING	H/SINK

Loc	Part-No	Description & Specification	Remarks
IC503	1201-000539	IC-VIDEOAMP;6101,2IP,9P,-,SING	H/SINK
J505	2701-000115	INDUCTOR-AXIAL;100UH,10%,2.8X7M	
LV01	AA27-10003K	COIL-CHOKER;24UH,K,50,256MA,T	
LV02	2702-000158	INDUCTOR-RADIAL;39UH,10%,6X6.4	
LV03	3301-000287	CORE-FERRITEBEAD;AA,3.5X1.0X6	
LV04	2701-000112	INDUCTOR-AXIAL;100UH,10%,2.8X7	
Q501	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV01	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV02	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV03	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV04	0501-000283	TRANSISTOR;KSA539-Y(TAPG)/YTAM	
QV05	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV06	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV07	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
QV08	0501-000369	TRANSISTOR;KSC2331-Y(TAPG)	
QV09	0502-000131	TR-POWER;2SA1011-D,P,NP,-180V,-	H/SINK
QV10	0502-000153	TR-POWER;2SC2344-D,NPN,180V,16	H/SINK
R501	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R502	2004-001402	R-METAL(S);6.8KOHM,1%,1/2W,AA,TP	
R503	2004-001394	R-METAL(S);2KOHM,1%,1/2W,AA,TP	
R505	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R506	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R507	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
R508	2004-001371	R-METAL(S);1.5KOHM,1%,1/2W,AA,TP	
R509	2004-001371	R-METAL(S);1.5KOHM,1%,1/2W,AA,TP	
R510	2004-001371	R-METAL(S);1.5KOHM,1%,1/2W,AA,TP	
R511	2004-001373	R-METAL,FILM;RM1/2T100K-F	
R512	2004-001373	R-METAL,FILM;RM1/2T100K-F	
R513	2004-001373	R-METAL,FILM;RM1/2T100K-F	
R514	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP	
R515	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP	
R516	2001-000490	R-CARBON;200OHM,5%,1/8W,AA,TP	
R517*	2002-001009	R-COMPOSITION;2.7KOHM,10%,1/2W,AA,TP,3.7	
R518*	2002-001009	R-COMPOSITION;2.7KOHM,10%,1/2W,AA,TP,3.7	
R519*	2002-001009	R-COMPOSITION;2.7KOHM,10%,1/2W,AA,TP,3.7	
R520	2001-000096	R-CARBON(S);1MOHM,5%,1/2W,AA,TP	
R522	2001-000118	R-CARBON(S);180OHM,5%,1/2W,AA,TP	
R523	2008-000299	R-FUSIBLE;RF2RT470-J	
R524	2002-001006	R-COMPOSITION;RC1/2T4.7KK/ERC-	
R525	2008-001011	R-FUSIBLE(S);0.18OHM,10%,2W,AF	
R526	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP	
RV01	2003-001037	R-METAL(OXIDE);39OHM,5%,2W,AF	
RV02	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP	
RV03	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP	
RV04	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV05	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP	
RV06	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP	
RV07	2001-000924	R-CARBON;680ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV08	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP	
RV09	2001-001015	R-CARBON;9.1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV10	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP	
RV11	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP	
RV12	2001-000924	R-CARBON;680ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV13	2001-001026	R-METAL;910ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV14	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP	
RV15	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AB	
RV16	2001-000009	R-CARBON;20KOHM,5%,1/8W,AA,TP	
RV17	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP	
RV18	2001-000864	R-CARBON;56Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV19	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV20	2001-000989	R-METAL;820Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV21	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP	
RV22	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	

Loc	Part-No	Description & Specification	Remarks
RV23	2001-000924	R-CARBON;680ohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV24	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP	
RV25	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
RV26	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP	
RV27	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
RV28	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP	
RV29	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
RV30	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
RV31	2003-000713	R-METALOXIDE(S);470HM,5%,2W,AD	
RV32	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA	
RV33	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA	
RV34	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA	
RV35	2001-001179	R-CARBON(S);68KOHM,5%,1/2W,AA	
RV36	2003-001023	R-METALOXIDE(S);120OHM,5%,2W,A	
RV37	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
RV38	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
RV39	2001-001100	R-CARBON(S);2.7OHM,5%,1/2W,AA	
RV40	2003-000713	R-METALOXIDE(S);470HM,5%,2W,AD	
RV41	2003-001018	R-METALOXIDE;220OHM,2W	
V999	3704-000116	SOCKET-CRT;7P,32.5PI,35.5PI,SN	
<b>ASSY-PCB,IF/CHROMA</b>			
* AA97-90007T		ASSY-PCB,IF/CHROMA;-CT722AP/ASPCX,KCT55	
C104	2202-000127	C-CERAMIC,MLC-AXIAL;10NF,+80-2	
C105	2401-001333	C-ELECTROLYTIC;CE04WTAPG50V0.4	
C106	2202-000127	C-CERAMIC,MLC-AXIAL;10NF,+80-2	
C107	2401-001333	C-ELECTROLYTIC;CE04WTAPG50V0.4	
C110	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
C111	2201-000611	C-CERAMIC,DISC;56PF,5%,50V,NPO	
C201	2202-000127	C-CERAMIC,MLC-AXIAL;10NF,+80-2	
C202	2301-000247	C-FILM,PEF;33NF,5%,50V,8.1x4.5	
C203	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C204	2401-000660	C-ELECTROLYTIC;CE04WTAPG50V2.2	
C205	2301-000016	C-FILMPEF;22NF,5%,100V,TP,7.2X	
C206	2301-000192	C-FILM,PEF;1NF,5%,50V,5.3X10MM	
C209	2305-000412	C-FILM,MPEF;470NF,5%,63V,-5MM	
C210	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
C211	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C212	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5m	
C213	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C214	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6.7x3.2mm,5mm	
C219	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C220	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C221	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
C222	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
C223	2201-000257	C-CERAMIC,DISC;16PF,5%,50V,NPO	
C224	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C225	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C226	2401-001840	C-AL;100UF,20%,16V,GP,TP,6.3X1	
C227	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C228	2401-000660	C-ELECTROLYTIC;CE04WTAPG50V2.2	
C229	2305-000665	C-FILM;CF922N63VT104-J-40/1053	
C231	2301-000342	C-FILM,PEF;2.2nF,5%,50V,TP,7.4x3.9x13mm,	
C232	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C233	2401-000603	C-AL;1UF,20%,50V,GP,5X11MM,5MM	
C237	2306-000122	C-FILM,MPPF;100NF,5%,50V,7.3X4	
C238	2309-000138	C-FILM,PE-PPF;100NF,5%,50V,TP	
C239	2401-001333	C-ELECTROLYTIC;CE04WTAPG50V0.4	
C240	2301-000224	C-FILM,PEF;22NF,5%,50V,7.4X3.9	
C241*	2201-000483	C-CERAMIC,DISC;33PF,5%,50V,NPO	
C242	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M	

Loc	Part-No	Description & Specification	Remarks
N245	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,5	
N246	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,5	
N247	2201-000119	C-CERAMIC,DISC;100NF,+80-20%,5	
N602	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50	
N201	3711-002711	CONNECTOR-HEADER;NOWALL,12P,1R	
N203	3711-003577	CONNECTOR-HEADER;NOWALL,11P,1R	
N204	3711-002701	CONNECTOR-HEADER;NOWALL,3P,1R,	
N204	3711-003577	CONNECTOR-HEADER;NOWALL,11P,1R	
N502	3711-002641	POST-HEADER;67094-010(AUTO)	
N201	0401-000005	DIODE;1N4148TAPG	
N202	0401-000005	DIODE;1N4148TAPG	
N204	0401-000005	DIODE;1N4148TAPG	
N205	0401-000005	DIODE;1N4148TAPG	
N206	0401-000005	DIODE;1N4148TAPG	
N209	0401-000005	DIODE;1N4148TAPG	
NL01	4711-000224	DELAYLINE;0.470US,.,,TR	
N201	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-	
N205	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-1	
N206	0403-000655	DIODE-ZENER;MTZ13A,13V,12.11-1	
N201	AA61-10068A	BRACKET-PCB;.,SPT,.,,T0.3,.,,	
N202	AA61-10068A	BRACKET-PCB;.,SPT,.,,T0.3,.,,	
IC101	AA13-20002V	IC-HYBRID;.,PAP101T,SIP,6P,PRE	
N201*	1204-001170	IC-HOR.;VER.PROCESSO;TDA8377A,	
N202	1204-000506	IC-LINEAR;LA7510SIP9P	
N102	2701-000326	INDUCTOR AXIAL;560NH,10%,2.3X3.4MM	
N104	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
N201	2701-000299	INDUCTOR-AXIAL;13UH,10%,2.5X3.	
N202	2701-000114	INDUCTOR-AXIAL;10UH,10%,2.5X3.	
N201	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
N202	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
N203	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
N206	0501-000389	TRANSISTOR;KSC815-Y(TAPG)/YTAM	
N102	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
N202	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP	
N203	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
N204	2001-000793	R-CARBON;470HM,5%,1/8W,AA,TP,1	
N205	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,	
N206	2001-000362	R-CARBON;1500HM,5%,1/8W,AA,TP,	
N209	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
N210	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
N213	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
N214	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
N215	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
N216	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
N217	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
N218	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
N219	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
N224	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
N226	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP	
N227	2001-000745	R-CARBON;4.7OHM,5%,1/8W,AA,TP,	
N228*	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1	
N229	2001-000938	R-METAL;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
N230	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP	
N231	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
N232	2001-000440	R-CARBON;1OHM,5%,1/8W,AA,TP,1.	
N234	2001-000878	R-CARBON;6.2KOHM,5%,1/8W,AA,TP	
N235	2004-001234	R-METAL;75KOHM,5%,1/8W,AA,TP,1	
N237	2001-001139	R-CARBON(S);39KOHM,5%,1/2W,AA,	
N239	2001-000004	R-CARBON;200KOHM,5%,1/8W,AA,TP	
N241	2001-000989	R-METAL;820Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
N243	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1	
N245	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP	
N247	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	

Loc	Part-No	Description & Specification	Remarks
R248	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,	
R250	2001-000857	R-CARBON;5600HM,5%,1/8W,AA,TP,	
R251	2001-000252	R-CARBON;1.6KOHM,5%,1/8W,AA,TP	
R252	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP	
R253	2001-000309	R-CARBON;1100HM,5%,1/8W,AA,TP,	
R255	2001-000515	R-CARBON;2200HM,5%,1/8W,AA,TP,	
RU04*	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1	
RU05*	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1	
RU06*	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1	
RU07	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
SF101*	2904-000287	FILTER-SAWAV;45.75MHZ,SIP5P,ST	
SF102*	2904-000289	FILTER-SAWAV;45.75MHZ,SIP5P,ST	
T201*	AA26-10005E	TRANS-IF;.,7MM,IF,0.136UH,7MM,	
X202	2801-003298	CRYSTAL-UNIT;3.579545MHZ,30PPM	
Z201	2903-001022	FILTER-CERAMIC;TR,4.5MHZ	
ZU601	2903-000135	FILTER-CERAMIC;BP,4.5MHZ	

#### ASSY-POWER,S/W

	* AA97-90007U	ASSY-POWER,S/W;.,CT722API/ASPCX,KCT55A,NT
CNP12	AA39-20529A	LEADCONNECTOR-ASSY;.,YSH025-04
D801	1405-001036	VARISTOR;430V,2500A,14x8.5mm,TP
DP01	AA96-30002A	ASSY-LED,GUIDE;.,AA61-50106A,D
FA802	3601-001012	FUSE-FERRULE;250V,4A,SLOW-BLOW
FA802	3602-000114	FUSE-HOLDER;.,30MOHM
FA803T	AA39-20176A	LEAD-CONNECTOR,ASSY;.,YFH800-0
GT1	AA39-20010F	LEAD-CONNECTOR,ASSY;.,YFH800-0
HLOPCB	AA61-20208A	HOLDER-PCB,SUB;.,HIPS,HB,BLK,.
HWVCR	AA61-20069A	HOLDER-WIRE;.,NYLON-66,V0,NTR,
R802	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4
SWP01	3404-000295	SW-TACT,V;KPT1122R1KEYSTT-0.3M

#### ASSY-PCB,A/V SIDE

	* AA97-90007X	ASSY-PCB,A/V SIDE;.,TXF2889/UCX,KCT55A,N
CE60	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M
CE61	2401-000480	C-AL;10UF,20%,50V,GP,5X11MM,5M
CN601	AA39-20499F	LEAD-CONNECTOR,ASSY;.,YBNH025-
CN602B	AA39-20069A	LEAD-CONNECTOR,ASSY;.,YBNH025-
CN704B	AA39-20071E	LEADCONNECTOR-ASSY;.,67096-12,
DZE01	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-2
DZE02	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-2
DZE03	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-2
DZE04	0403-000660	DIODE-ZENER;MTZ22A,22V,20.15-2
HAV	AA61-20205D	HOLDER-AV,JACK;.,QMODEL,HIPS,V
HAV+AV	6002-000406	SCREW-TAPPING;RH,+,2,M3,L10,ZP
IN/AV	AA64-60355F	INLAYAV;.,PS,T0.3;.,BLK,KCT53A
JK01	3722-001043	JACKRCA;1P,3.4MM,#16-22,AU
JK02	3722-001042	JACKRCA;1P,3.4MM,#16-22,AU
JK03	3722-001041	JACKRCA;1P,3.4MM,#16-22,AU
JK04	3722-000544	JACKVHS;12P,11.5MM,AG,BLK,N
JKH01	3722-001061	JACK-PHONE;1P,3.6MM,AG,BLK,N
RE60	2001-001077	R-CARBON(S);1500HM,5%,1/2W,AA,
RE61	2001-001077	R-CARBON(S);1500HM,5%,1/2W,AA,

#### REMOCON

* AA59-10091D	REMOCON;DP,TM49;.,,AA59-10083
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#### ASSY-HOLDER,SPK

* AA91-60251A	ASSY-HOLDER,SPK;.,PP,HB,B,8R 15W,722A
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Loc	Part-No	Description & Specification	Remarks
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#### ASSY-TERMINAL,BOARD

	* AA91-80054H	ASSY-TERMINAL,BOARD;,,,V3-NT,CT722A	
IN-BA	AA64-60395L	INLAY-BACK;CT622A,V3-NT,PS,TO.5,BLK,-,-	
TER/B	AA63-40254B	TERMINAL-BOARD,ANT;HIPS HB,BLK KCT55A,	

#### ASSY-CABINET

	* AA91-10319B	ASSY-CABINET,FRONT;DP,TFX2889,BK-708P US	
CF+DEC	6002-000408	SCREW-TAPPING;RH,+2,M3,L10,ZPC(YEL),SWC	
CB+CF	6002-000516	SCREW-TAPPING;RH,+2,M4,L20,ZP	
CB+TER	6002-000516	SCREW-TAPPING;RH,+2,M4,L20,ZP	
CF+AV	6002-000516	SCREW-TAPPING;RH,+2,M4,L20,ZP	
TER+RC	6002-000516	SCREW-TAPPING;RH,+2,M4,L20,ZP	
D-COIL	AA27-20003M	COIL-DEGAUSSING;29",140HM,70	
CF+DOMAA60-10050A		SCREWASSY;WP,RH,+M4,L25,SWRCH	
CRT+CF	AA60-10050R	SCREW-ASSY;WC,HH,+M5,L31.5,SWR	
BOSS-A	AA61-40017A	BOSS-A;HIPS,VO,BLK,-,-	
SUPCRT	AA61-40030A	SUPPORT-CRT;HIPS,HB,-,BLK,-,	
CABBAC	AA63-60001Q	SPACER-FELT;FELT,TO.35,-,150	
CABBAC	AA63-60002Y	SPACER-FELT;FELT,TO.5,BLK,330X	
CF+CRT	AA63-60004G	SPACER-GUM,CRT;NTRRUBBER,T3.	
FRONT	AA64-30989G	CABINET-FRONT;TFX2889,PA100 USA,HIPS,V	
B/C	AA64-31097B	CABINET-BACK;DP,722A,AA64-3099	
INDLED	AA64-40361A	INDICATOR-LED;ABS,HB,-,LGTR558-02396,-	
WIN-L	AA64-40363A	WINDOW-LEFT;ABS,HB,-,PURPLE,-,2956	
WIN-R	AA64-40364B	WINDOW-RIGHT;7256,NO-SILK,ABS,HB,PUPPL	
BADGE	AA64-70011B	BADGE-BRAND;AL,SS R2000 25,SILVER,L60,-,	
CD-COIL	AA65-30004A	CLAMP-D,COIL;NYLON-66,VO,WHT	
AC+BC	AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-	
FBT	AA65-30109A	CLAMP-FBT;NYLON-66,V2,BLK,-,-,-	

#### DECORATION-ASSY

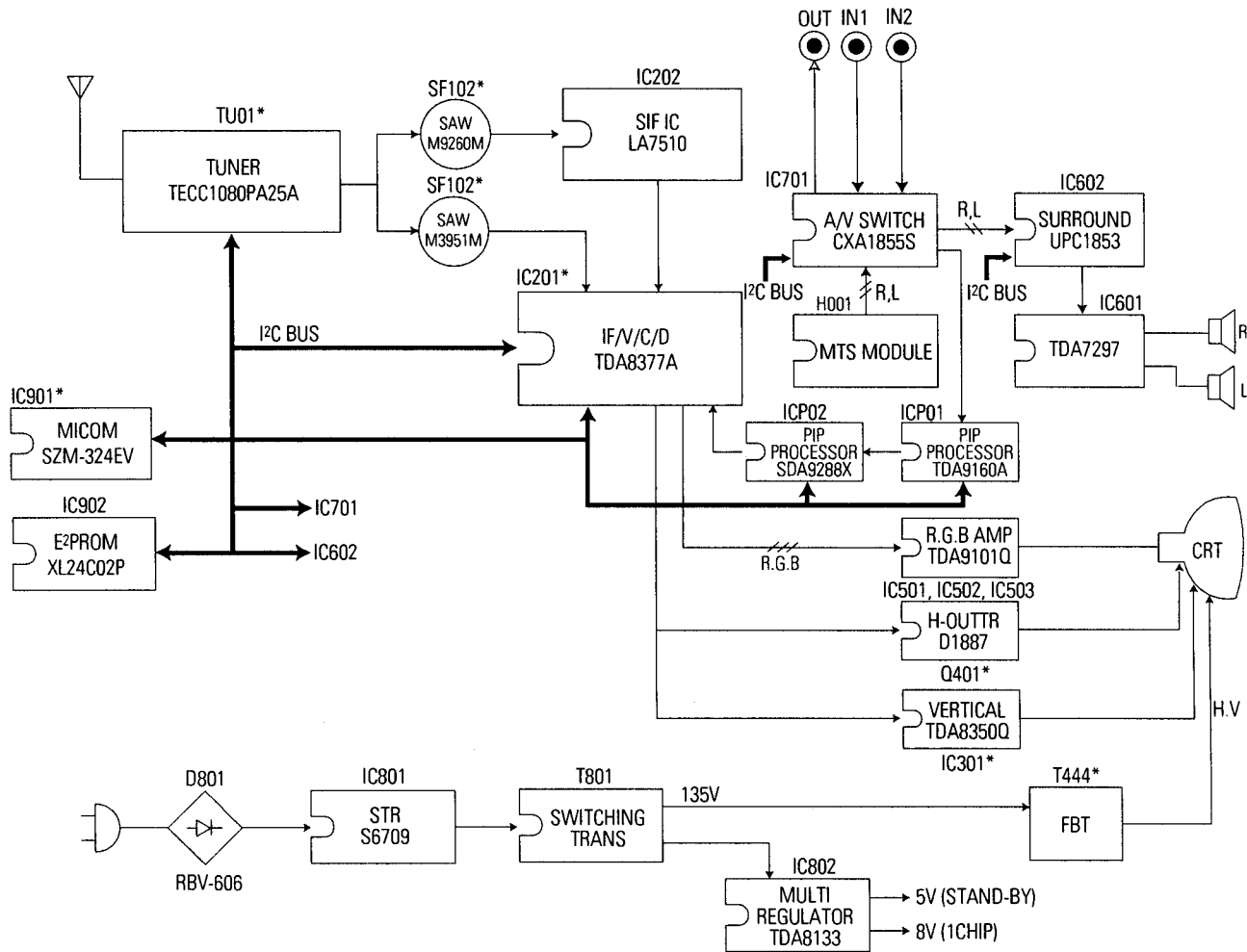
	* AA64-40502B	DECORATION-ASSY;722A,C/SILVER,HIPS,VO,	
SPRING	AA61-60005K	SPRING-CS;SUS304,0.6,0D12.2,H13,N4,-,-	
KNOPOW	AA64-10561G	KNOB-POWER;3756,C/SILVER GRAY,ABS,HB,B	
DECOR	AA64-40414B	DECORATION-FRONT;722A,C/SILVER,HIPS,VO	

Loc	Part-No	Description & Specification	Remarks
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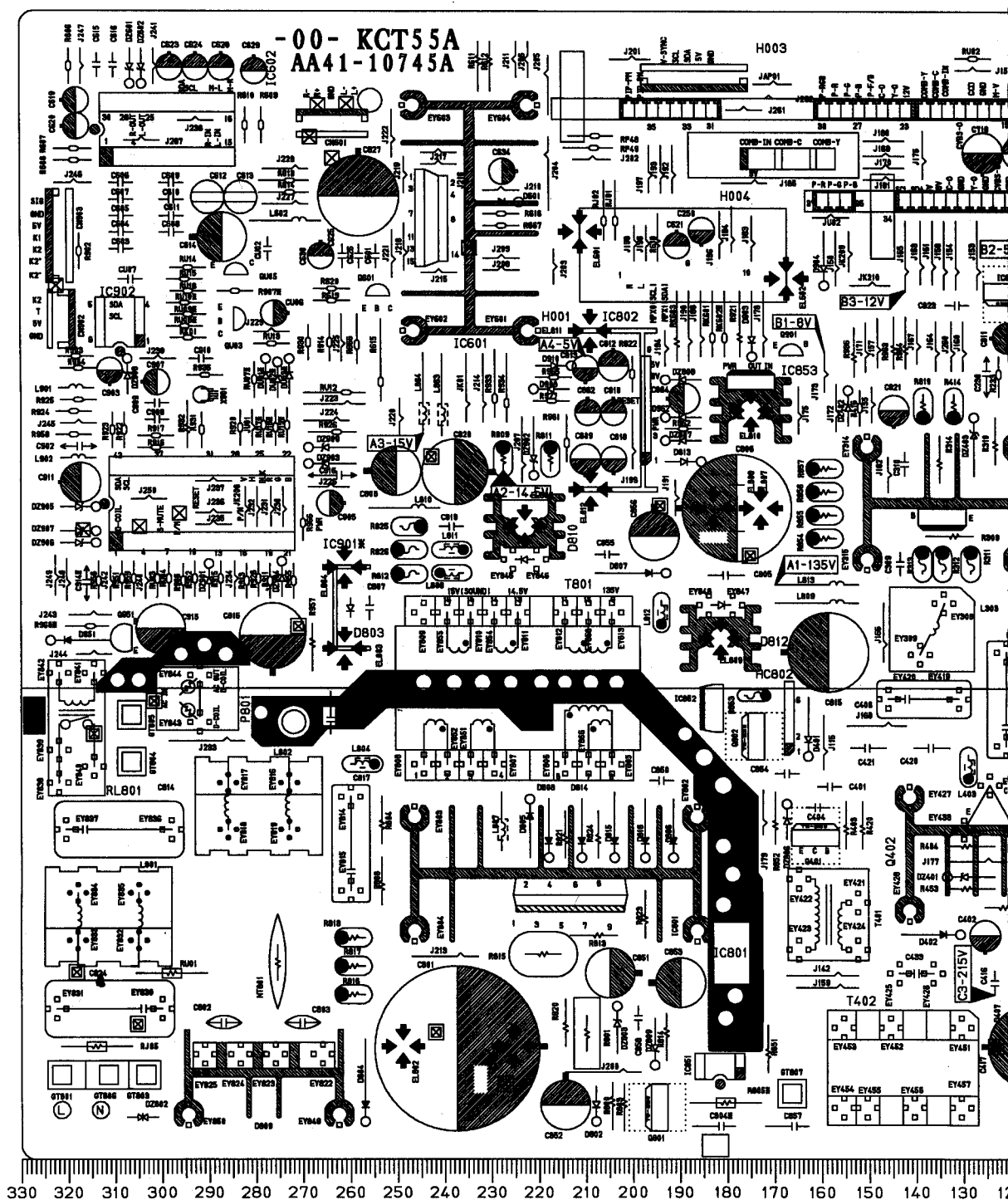


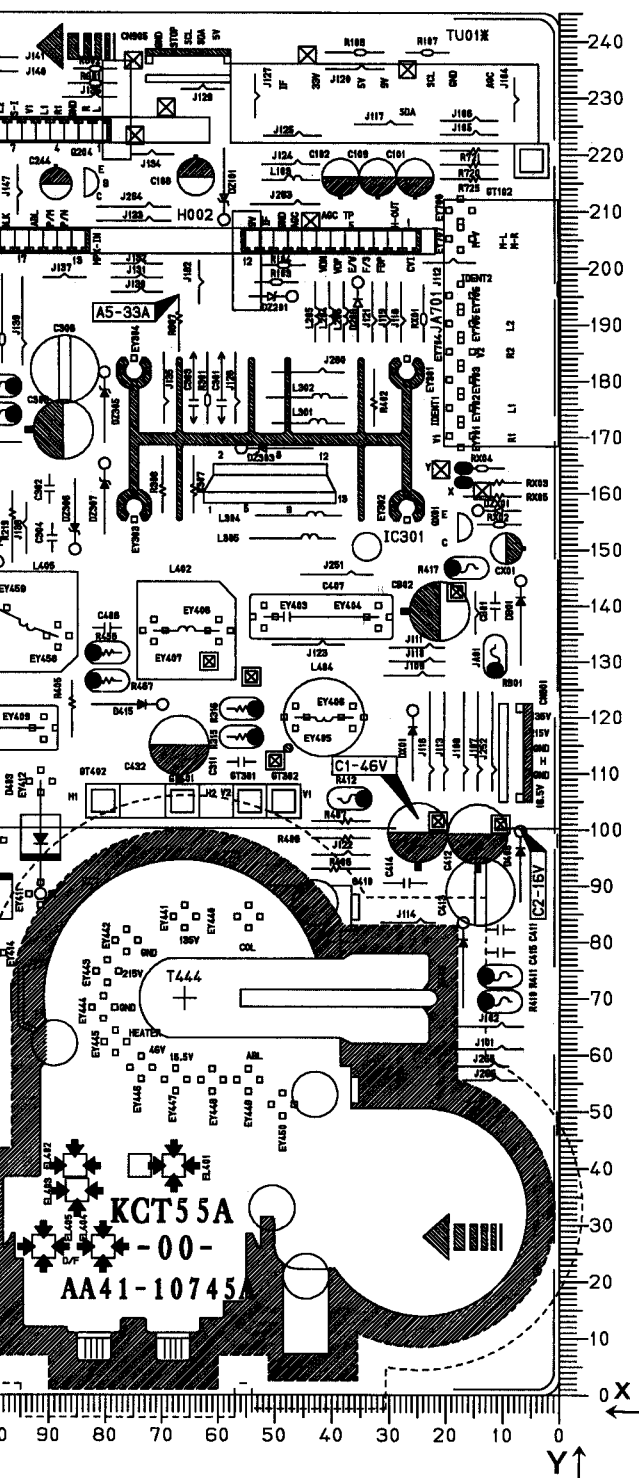
# 7. Block Diagram

## 7-1 KCT55A Block Diagram



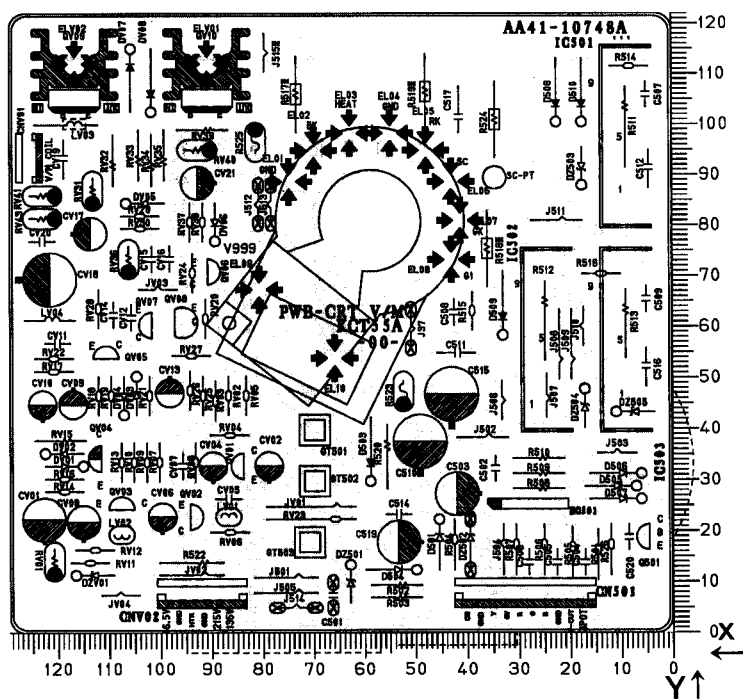
## 8-1 PWB-MAIN



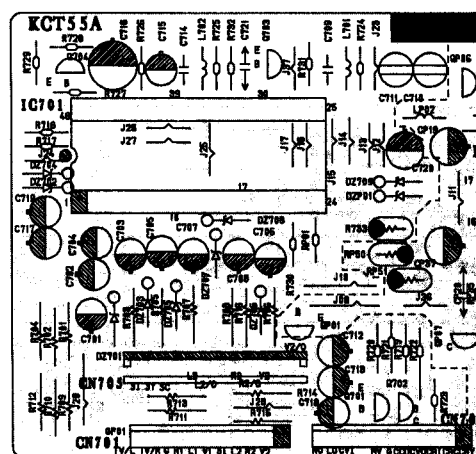


LOC No.	X	Y	LOC No.	X	Y
<b>DIODE</b>					
D202	107	169	DZ902	221	146
D207	99	147	DZ903	268	148
D208	35	197	DZ904	274	127
D401	163	85	DZ905	314	139
D402	130	47	DZ906	314	131
D403	91	88	DZ907	314	134
D404	100	98	DZ908	307	171
D405	7	99	DZ909	268	152
D406	17	83	DZX01	14	157
D407	119	33	<b>I. C</b>		
D415	70	122	IC101	107	175
D601	224	204	IC301	27	157
D802	208	8	IC601	246	177
D803	260	115	IC602	311	225
D804	257	8	IC801	186	48
D805	222	76	IC802	209	177
D806	191	64	IC851	186	18
D807	193	125	IC852	183	98
D808	218	64	IC853	175	160
D809	294	9	IC854	123	185
D810	223	135	IC901*	309	148
			IC902	313	175
D812	181	111	<b>TRANSISTOR</b>		
D813	185	149	Q204	83	212
D814	211	64	Q301	118	128
D815	204	64	Q401	159	68
D816	197	64	Q402	141	77
D903	174	171	Q601	251	184
D904	159	186	Q801	195	13
D908	221	164	Q802	174	92
D910	213	169	Q901	164	171
D951	323	110	Q951	308	113
D962	193	158	QU03	284	177
DB01	7	144	QU05	281	189
DU01*	277	171	QX01	18	151
DU02*	275	170	<b>OTHERS</b>		
DU03*	272	171	H001	200	189
DX01	26	121	H002	117	204
DZ101	59	208	H003	200	224
DZ201	47	195	H004	174	213
DZ303	56	168	HC802	167	87
DZ305	80	181	NT801	275	38
DZ306	85	150	P801	292	103
DZ307	80	165	T401	152	54
DZ401	133	60	T402	130	11
DZ402	154	164	T444	66	70
DZ403	127	158	T801	244	116
DZ601	306	229	TU01*	10	230
DZ602	304	229			
DZ802	300	9			
DZ803	203	32			
DZ806	167	75			
DZ807	193	153			
DZ808	193	166			
DZ809	195	20			
DZ901	290	127			

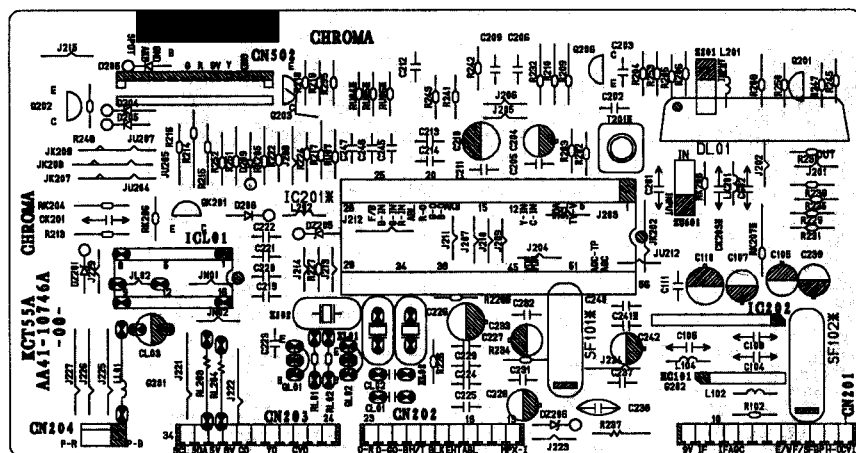
## 8-2 PWB-CRT V/M



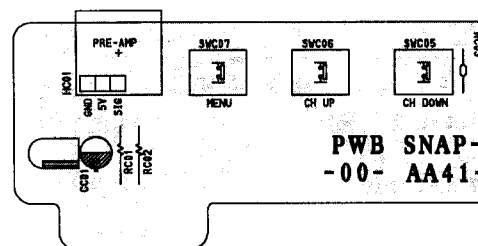
LOC No.	X	Y
<b>D100E</b>		
D501	45	22
D503	59	30
D504	50	12
D505	7	29
D506	6	22
D507	6	21
D508	22	100
D509	33	58
D510	17	100
DW01	115	33
DW02	123	35
DW03	105	50
DW04	107	43
DW05	107	84
DW06	86	77
DW07	106	115
DW08	102	102
DZ501	63	11
DZ502	32	22
DZ503	17	88
DZ504	17	48
DZ505	10	43
DZV01	117	11
<b>J C</b>		
IC501	14	90
IC502	30	50
IC503	14	50
<b>TRANSISTORS</b>		
Q501	4	21
QV01	84	35
QV02	94	20
QV03	105	24
QV04	112	37
QV05	108	54
QV06	91	68
QV07	102	63
QV08	96	58
QV09	117	112
QV10	91	112
<b>OTHERS</b>		
HC501	34	25
V509	59	81



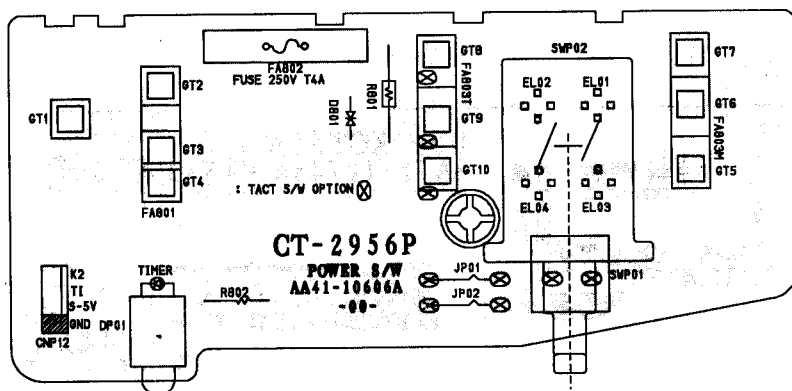
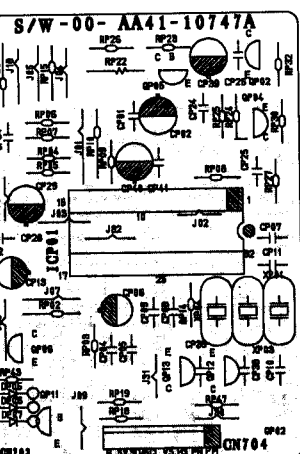
### 8-3 PWB-IF



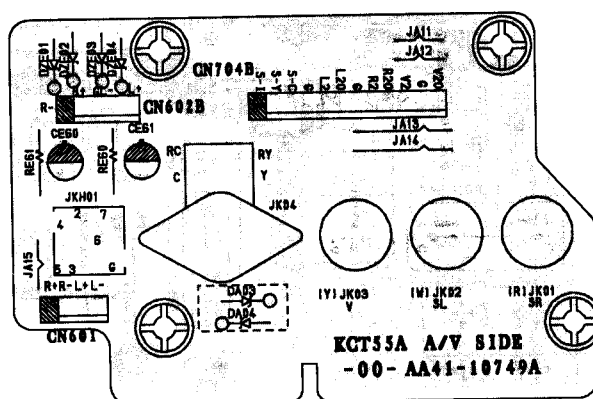
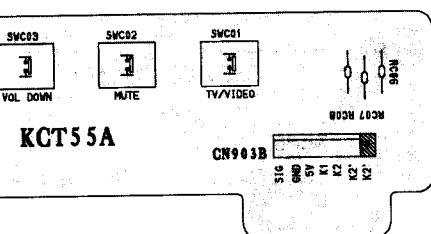
## 8-5 PWB SNAP-IN



## 8-6 PWB-POWER

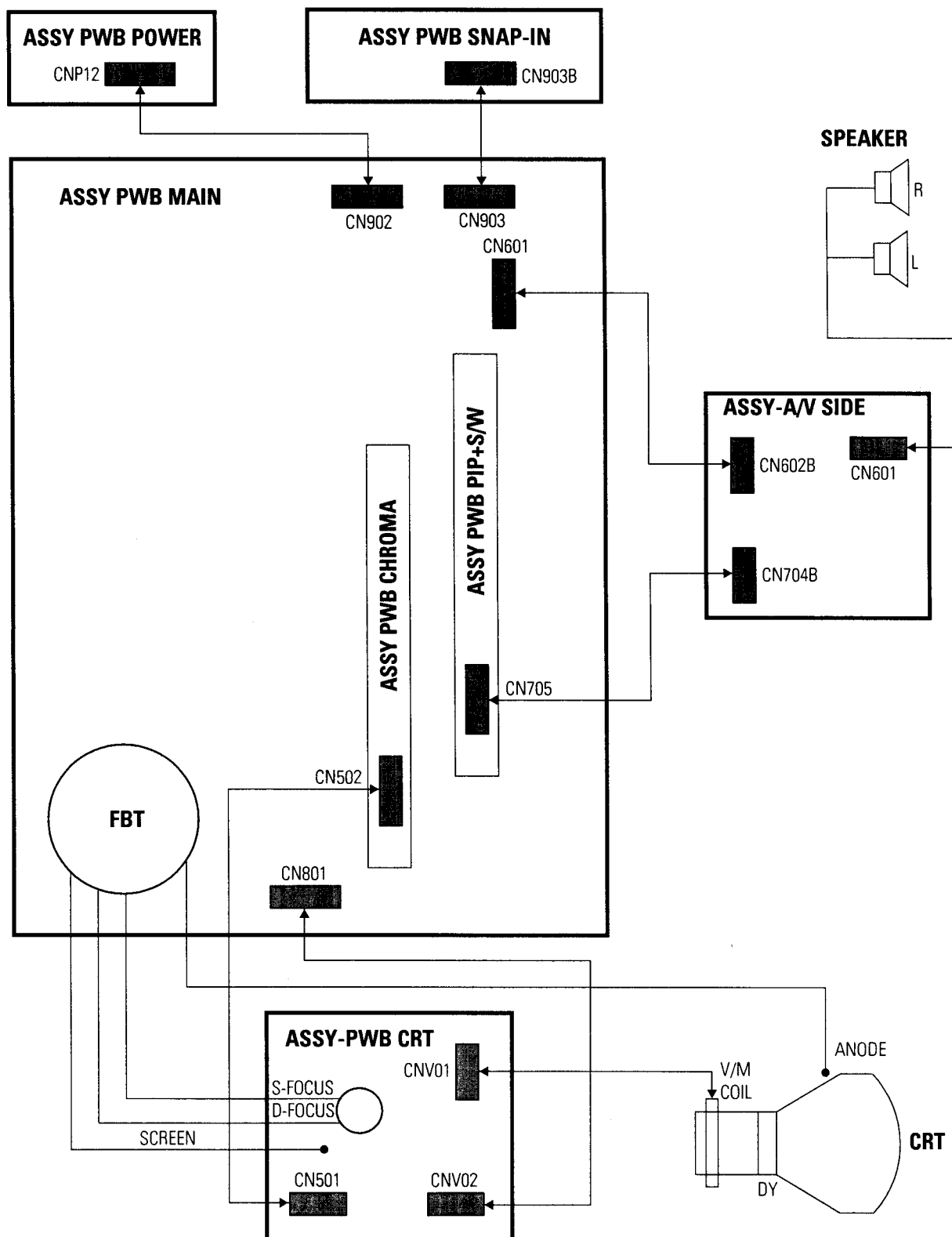


### 8-7 PWB-A/L SIDE



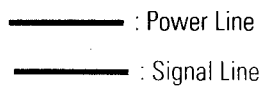
## 9. Wiring Diagram

### 9-1 KCT55A Wiring Diagram



BOARD NAME : CHROMA/IF







# 10. Schematic Diagrams

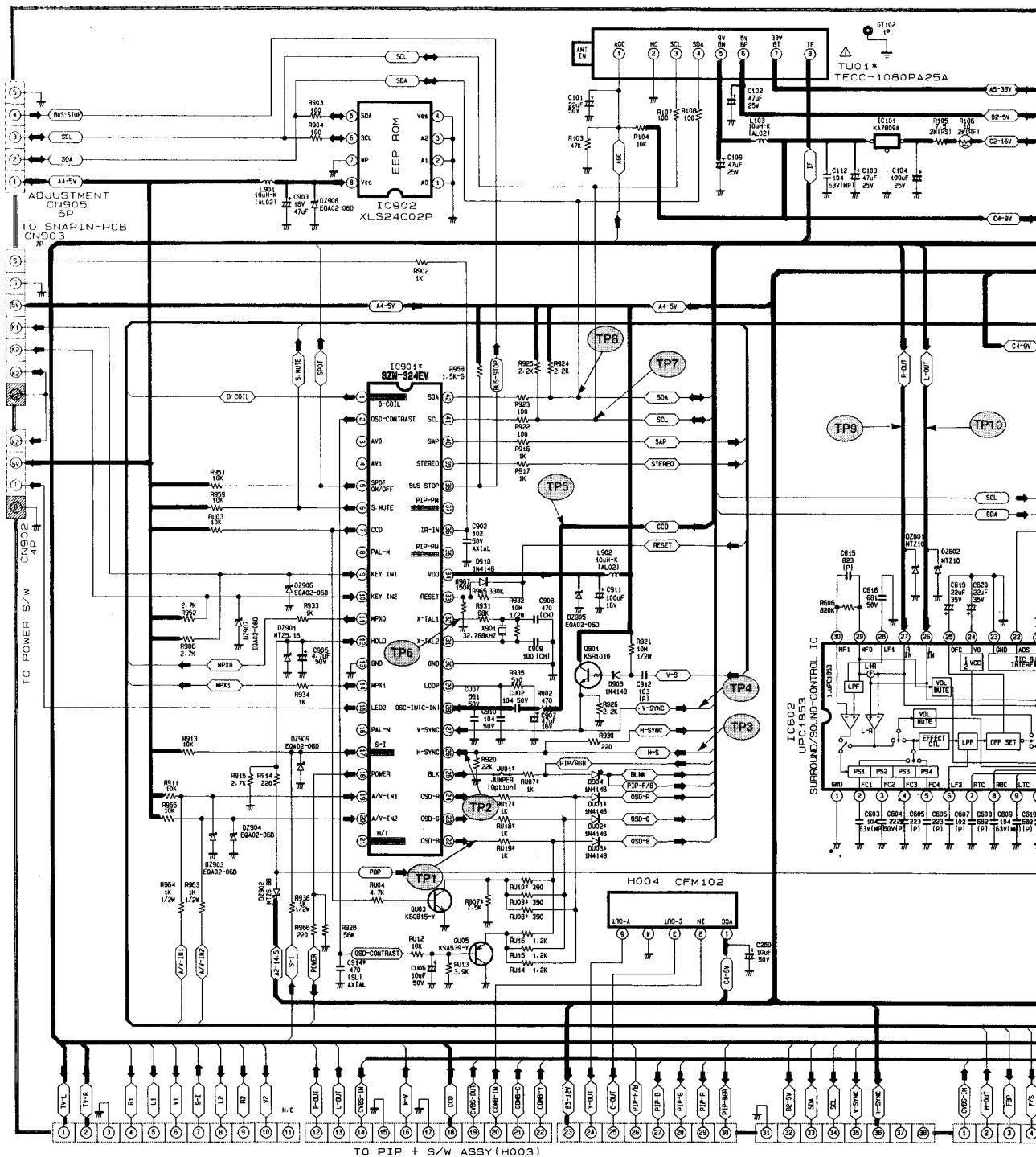
## 10-1 MiCOM+SOUND

SCHEMATIC DIAGRAM

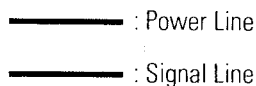
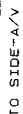
CHASSIS : KCT55A

MODEL : TXF2889, CT-722AP, CT823AP

BOARD NAME : MAIN



TO PIP + S/W ASSY (H003)



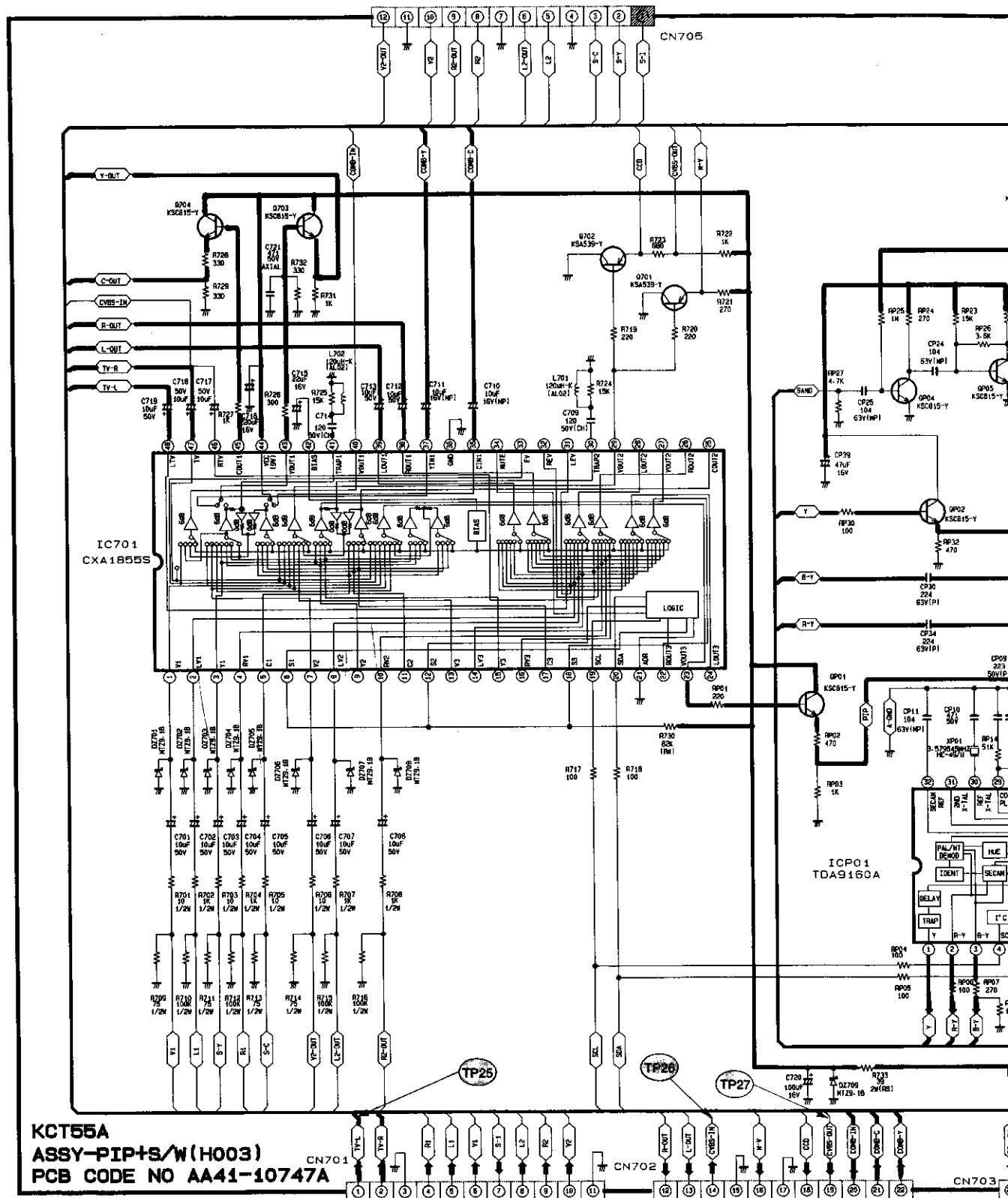
# 10-3 PIP/SWITCH

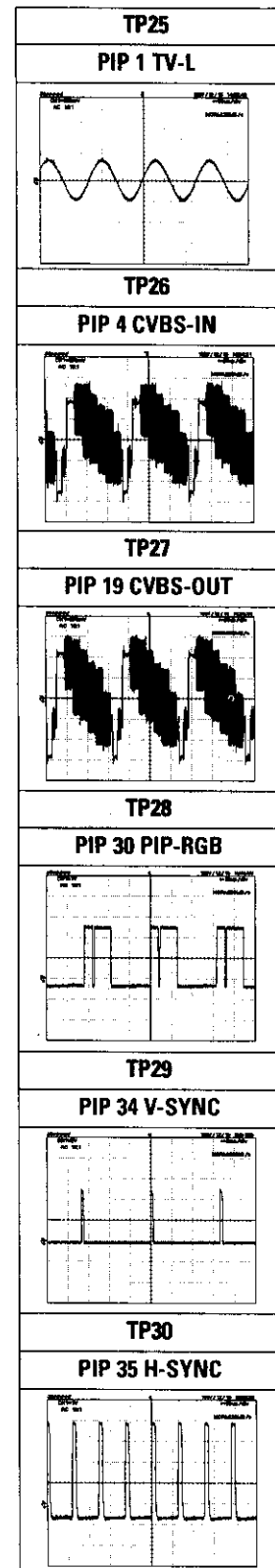
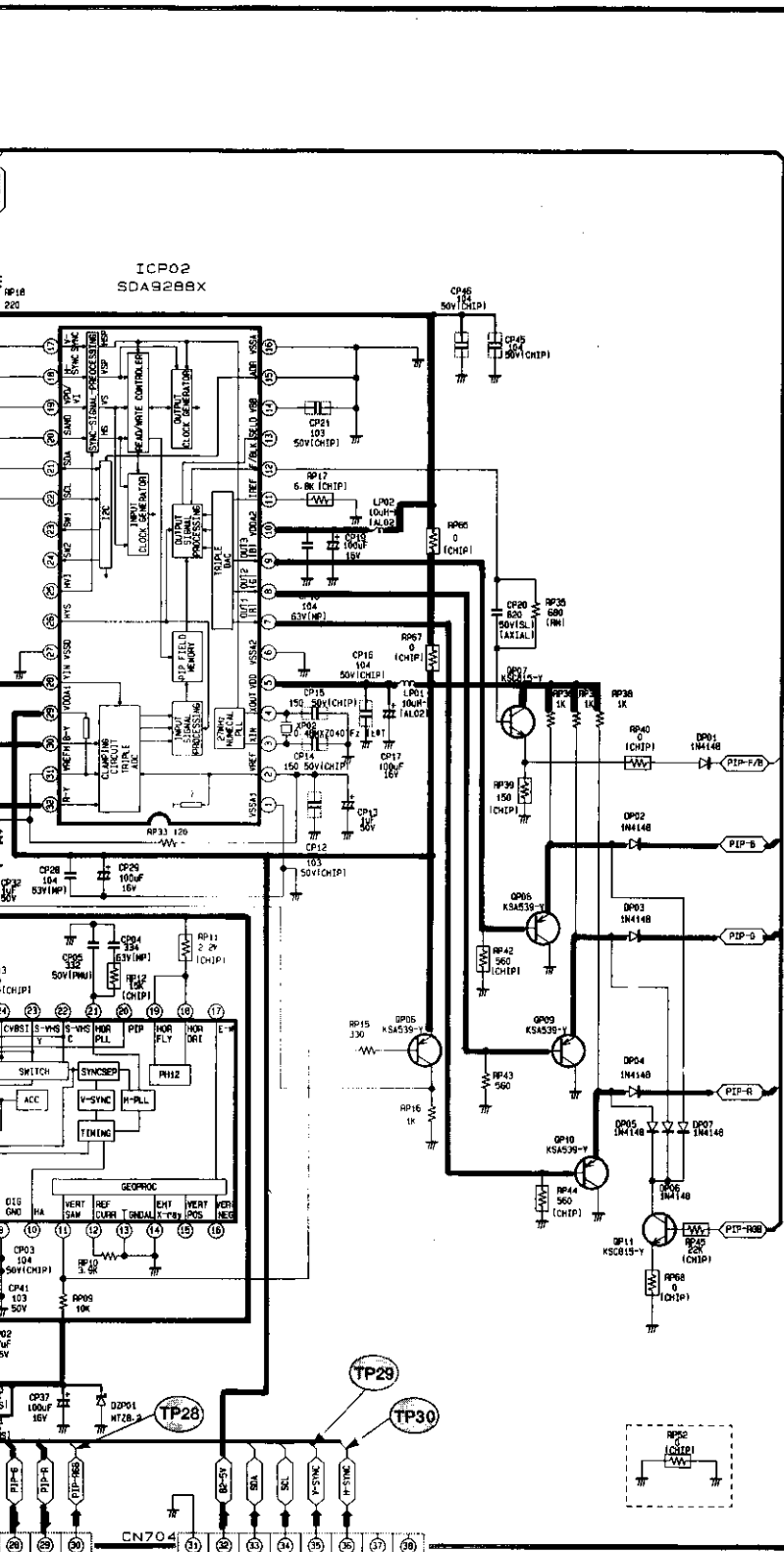
SCHEMATIC DIAGRAM

CHASSIS : KCT55A

MODEL : TXF2889, CT-722AP, CT823AP

BOARD NAME : PIP/SWITCH

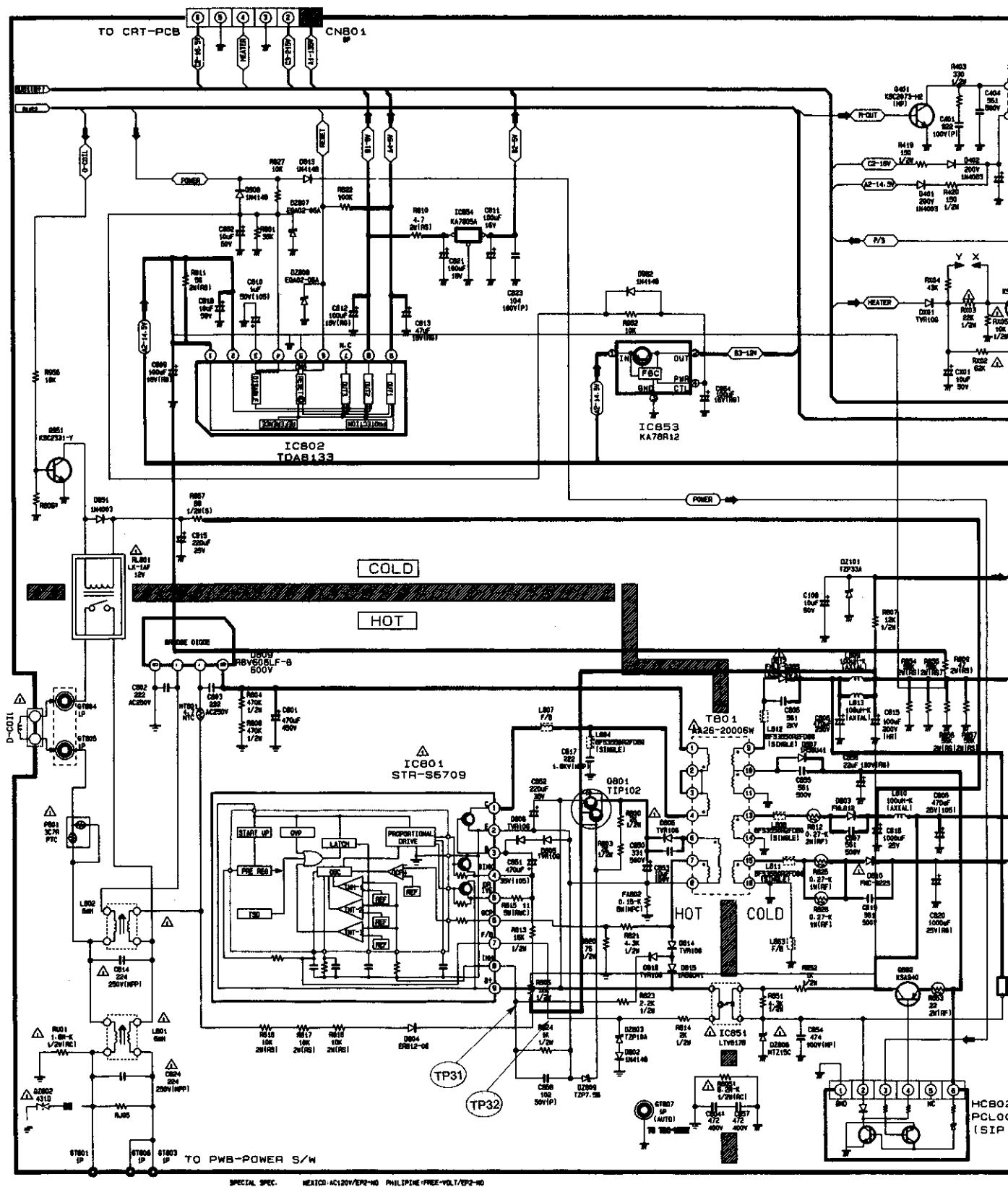


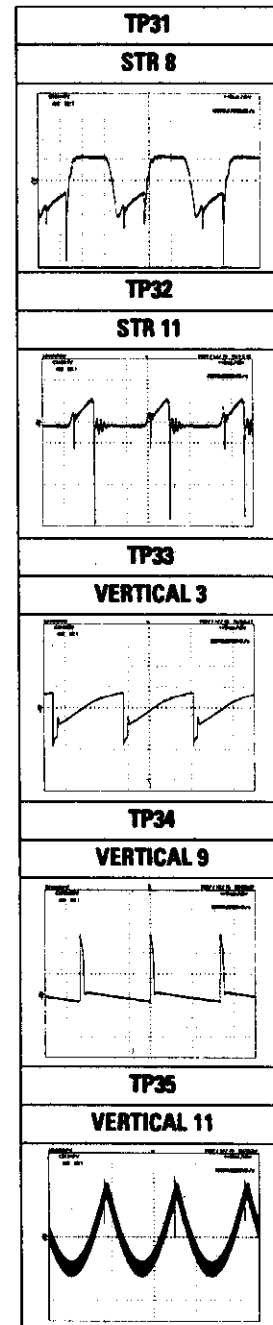
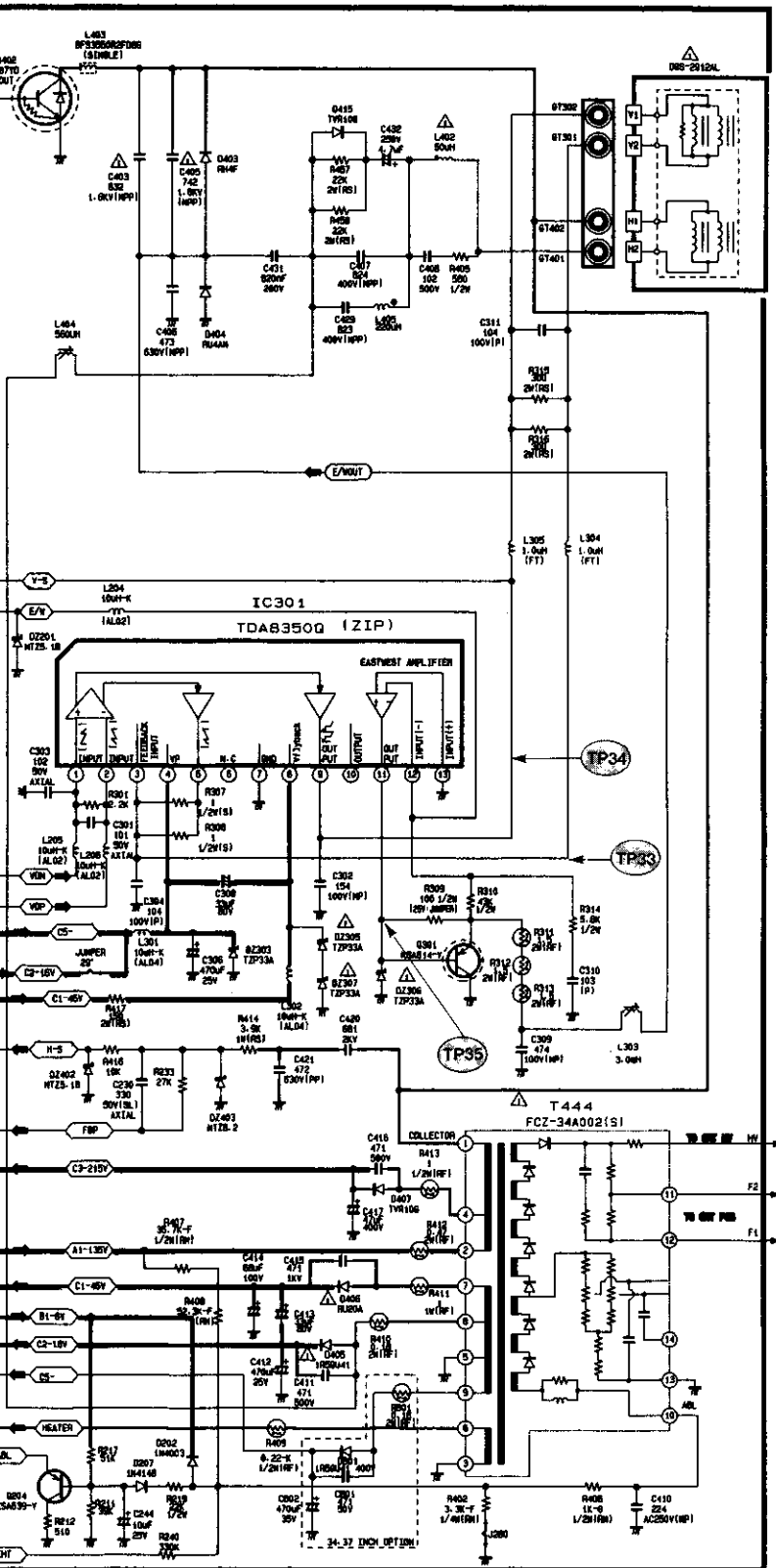


— : Power Line  
— : Signal Line

## 10-4 TO PWB-POWER S/W

MODEL : CT823AP





— : Power Line

MODEL : TXF2889, CT-722AP, CT823AP







PWB-SIDE A/V  
PCB CODE NO. AA41-10749A

The diagram illustrates the PWB-SIDE A/V PCB (AA41-10749A) with its connections to the PIP + S/W ASSY and MAIN-BOARD.

**Connections to PIP + S/W ASSY:**

- JK03 (YELLOW):** Connected to pins 12, 11, and 10.
- JK02 (WHITE):** Connected to pins 9, 8, and 7.
- JK01 (RED):** Connected to pins 6, 5, and 4.
- Resistors:** V2-00T, V2, R2-00T, R2, L2-00T, L2, S-C, S-Y, and S-I are connected to pins 12 through 3.
- Capacitor:** CN704B (12P) is connected to pins 3, 2, and 1.

**Connections to MAIN-BOARD:**

- JK04 S-JACK:** Connected to pins 5, 4, 2, 3, 6, 7, and 1.
- Resistors:** CE61 (10uF 50V), RE60 (150 1/2W), RE61 (150 1/2W), OZE01 (NT222A), OZE02 (NT222A), OZE04 (NT222A), and DZE03 (NT222A) are connected to pins 5, 4, 2, 3, 6, 7, and 1.
- Capacitor:** CN602B (5P) is connected to pins 5, 4, 2, and 3.
- Headphone Jack:** JKHO1 HEADPHONE JACK is connected to pins 5, 4, 2, 3, 6, 7, and 1.
- Speaker:** CN601 (4P) is connected to pins 5, 4, 2, and 3.



