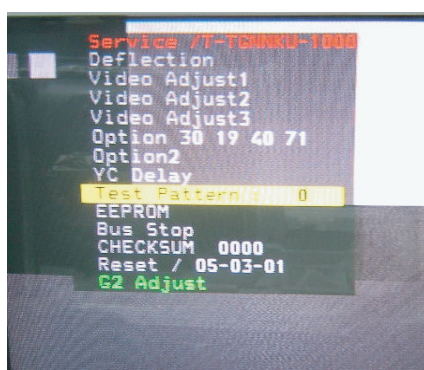


## 6. Troubleshooting

### 6-1 Checkpoints by Error Mode

- Power LED: Check that the LED works when turning the Tact Switch ON/OFF
- LED Indicators: See table 6-2-1 Basic Troubleshooting: LED Diagnosis on the Front Panel.
- In case of a power failure or abnormal screen, check the following items.
  - 1) Check that the power cord is correctly connected to electrical source equipment.
  - 2) Check that the Tact Switch has been pressed.
  - 3) Check that the signal cable is properly connected.
  - 4) Check that channel setting has been set.
- When the picture is abnormally displayed on the screen, display the Test pattern and check the adjustment status.



■ Troubleshooting Mechanism :

- The System Block has the last output terminal, VCTI, which shows the internal Test pattern.
- The Power Block supplies power to the Deflection Block
- The System Block receives all signal inputs, the signal-processed signal is sent to CRT Ass'y.

Deflection and focus are controlled by the Deflection Block

Troubleshooting by Modules

1) Enter Service Mode

(In SET STANDBY status, if you press "Mute", "1", "8", "2" and "Power" in sequence on the remote control, the screen is turned on and the Service Mode screen appears.)

2) Check if the System Block is out of order.

Press OPTION → TEST PATTERN → Right direction key:

The TOSHIBA pattern, COLOR BAR, BLACK pattern and WHITE pattern etc are displayed on the screen.

If the pattern is not displayed or is displayed abnormally, the VCTI or the System Block is out of order.

3) Check if the Power BLOCK, which supplies power to the System block and the Deflection block, is out of order.

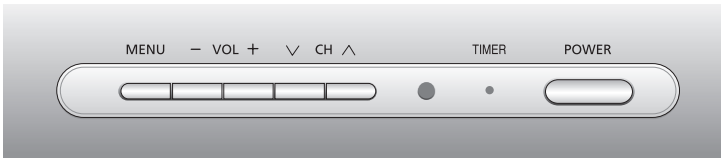
If you cannot turn the screen on by pressing the POWER ON/OFF button or the screen repeatedly turns on and off when pressing the POWER ON/Off button, check if the Power BLOCK is out of order.

4) Check if the Deflection Block is out of order.

When the screen is not properly displayed and the left or right side of the picture is shrunk, or the top or bottom of the screen is expanded or shrunk, check if the Deflection Block is out of order.

## 6-2 Troubleshooting Procedures by Error Modes

### 6-2-1 Basic Troubleshooting: Diagnosis of LED on the Front Panel

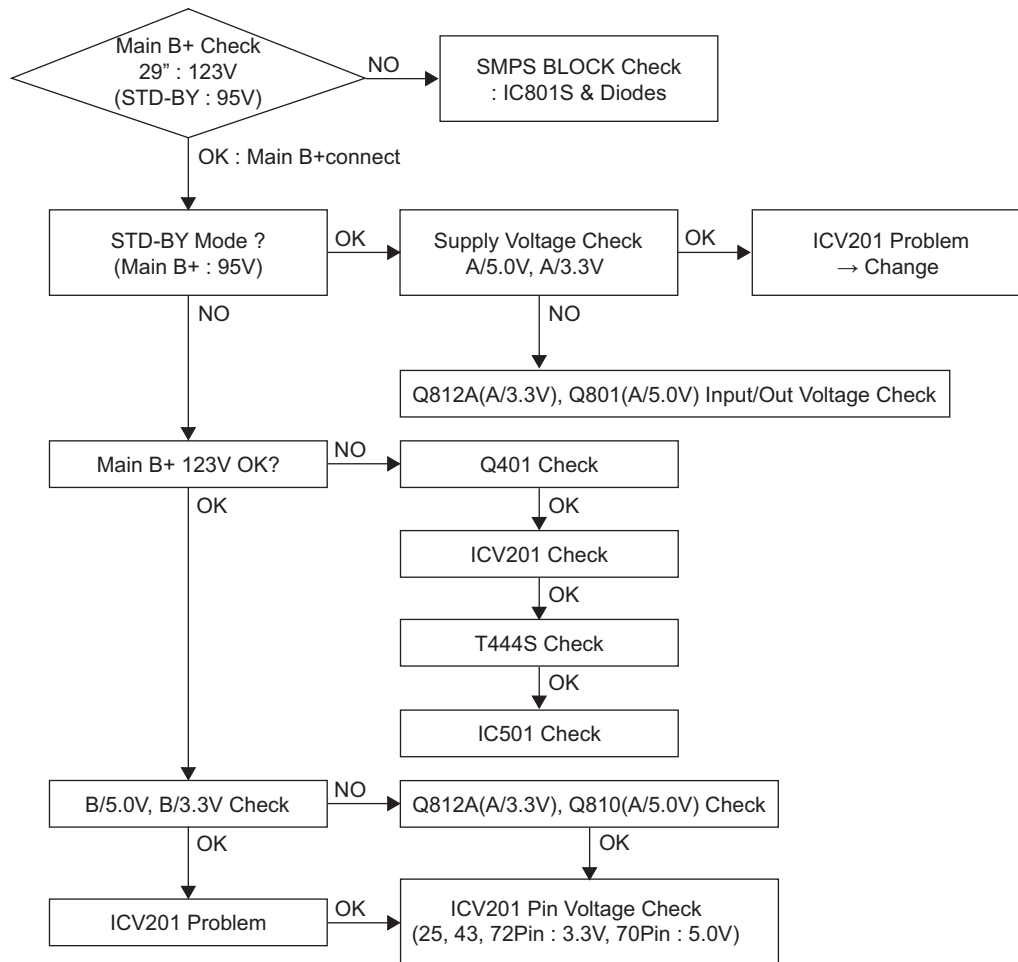


- : Light is Blinking
- : Light is Off

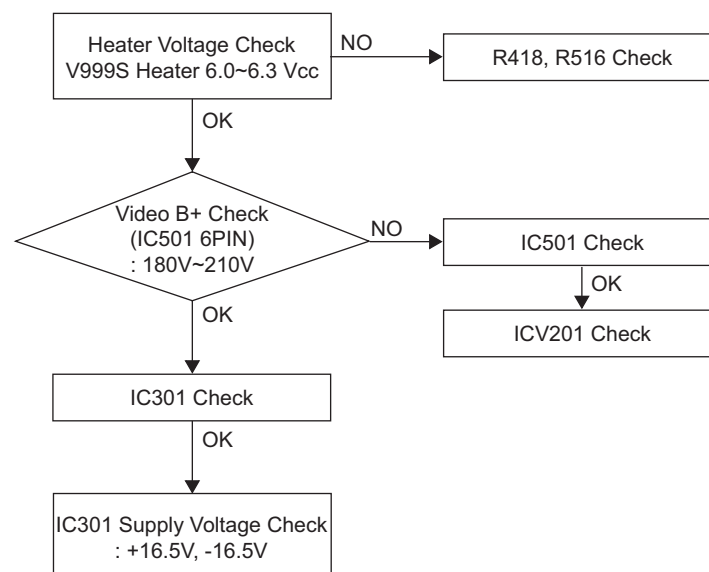
Power	Description
○	This happens when the Tact Switch is not pressed or the power cord is disconnected.
○→●	If you press the power switch of the or the channel key on the remote control when in St-BY status, the screen will be turned on. If the LED blinks and the screen is not displayed, check the connection between the Power and the Main Board.

## 6-3 Troubleshooting Procedures by ASS'Y

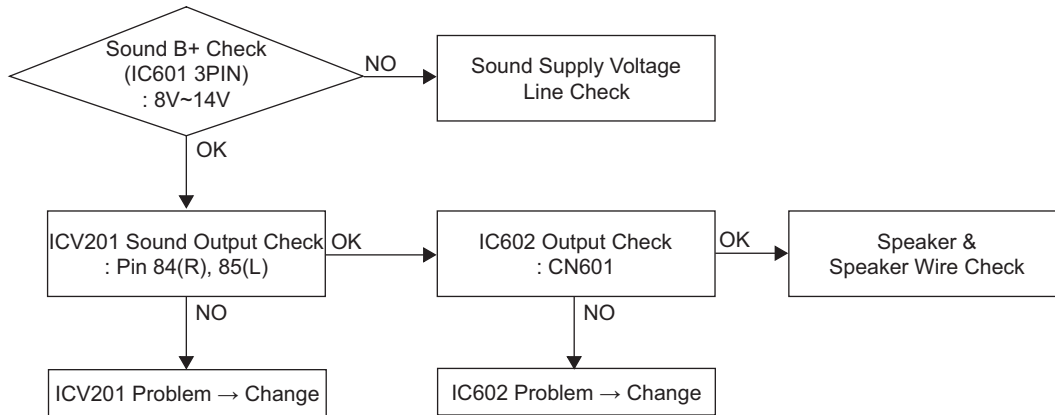
### 1. NO Power



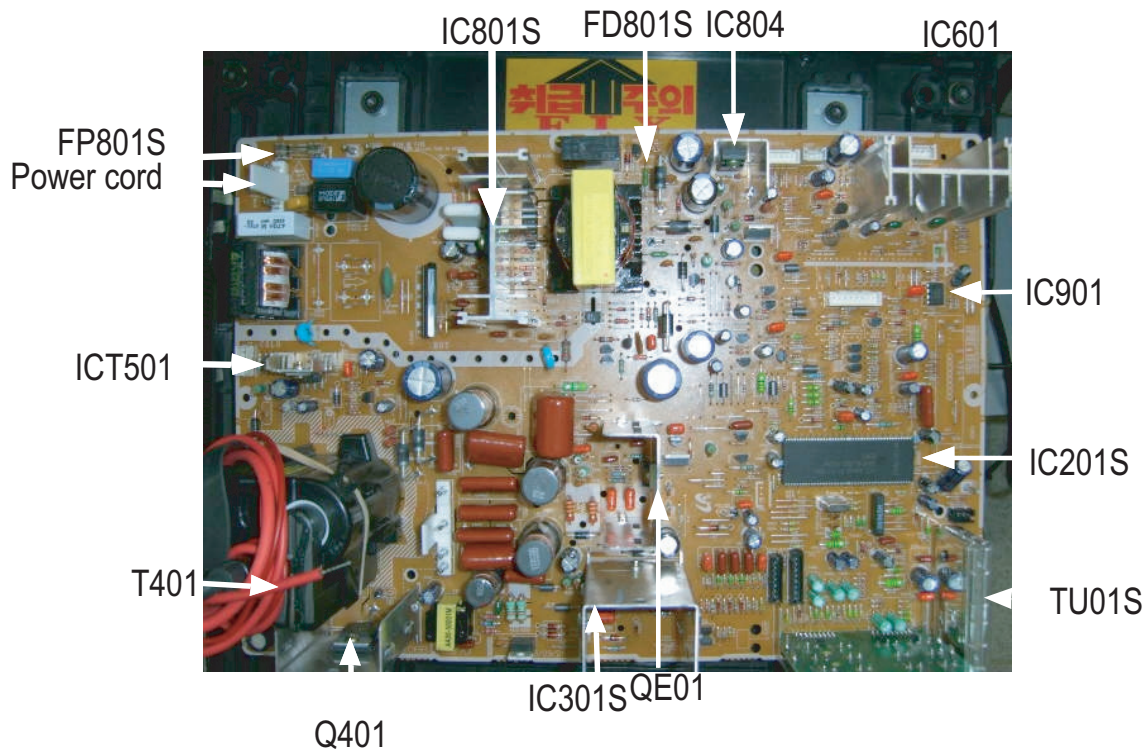
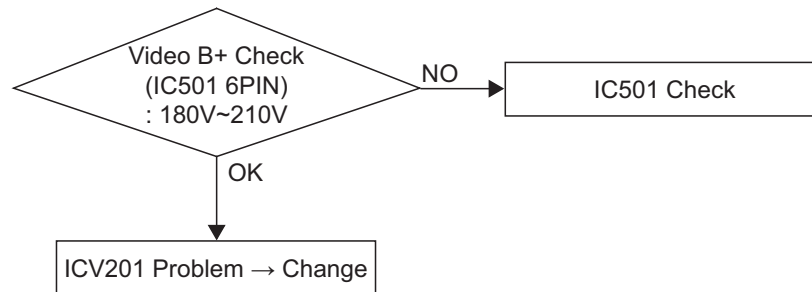
### 2. NO Video



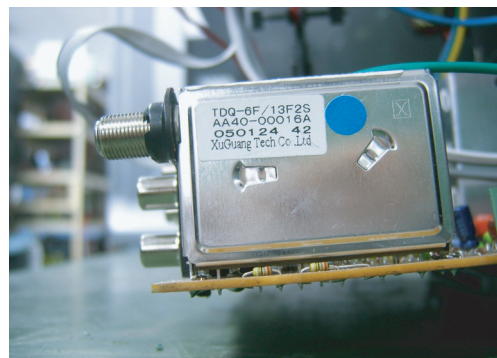
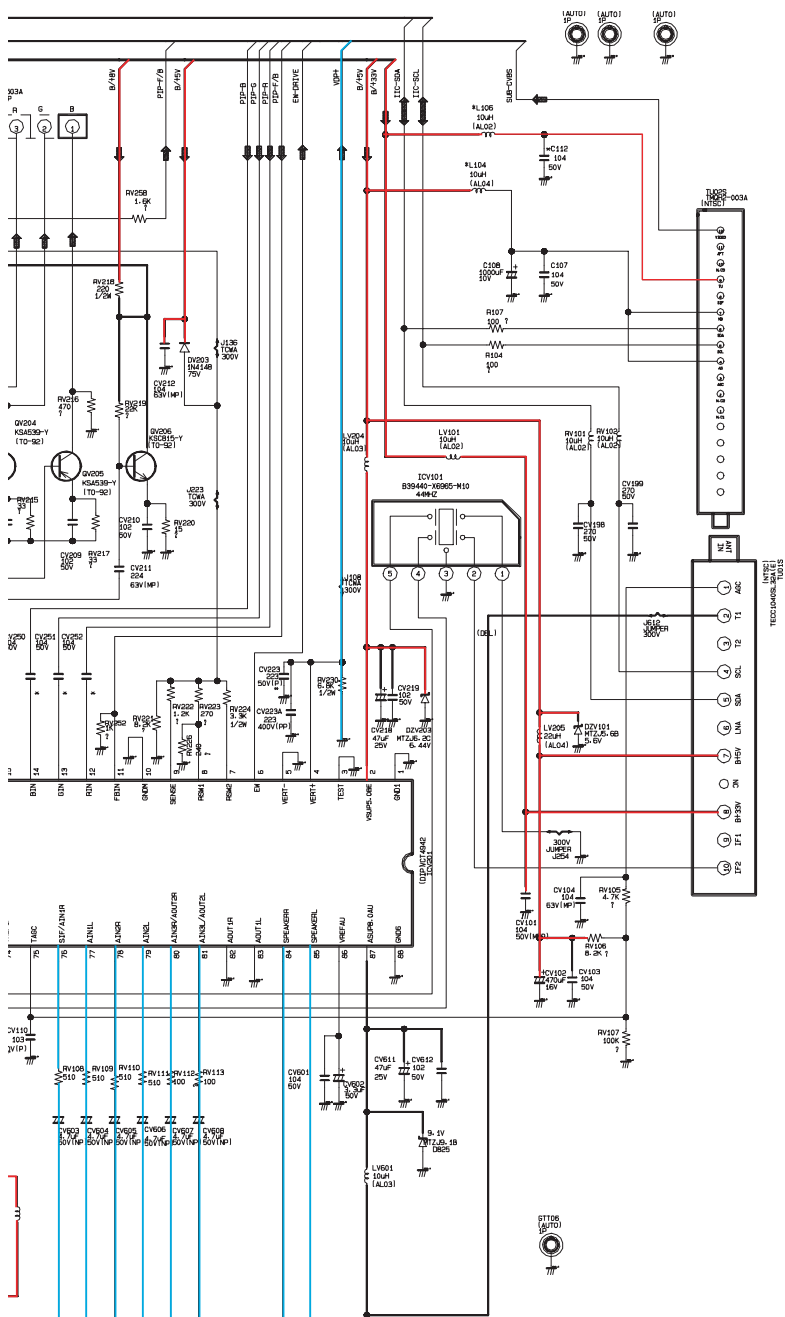
### 3. NO Sound



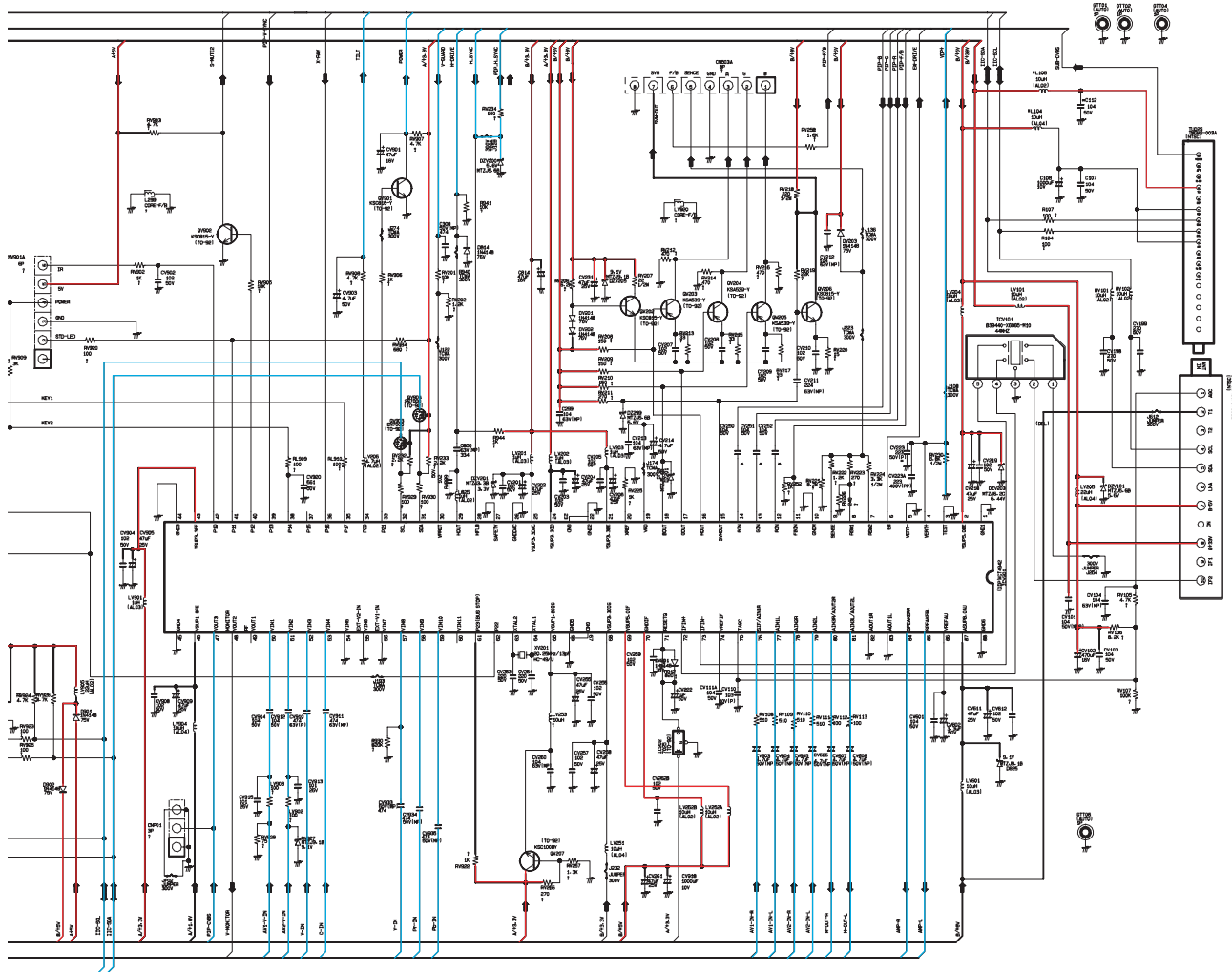
### 4. Fly Back Lion Badness



- Power supply: 5V, 33V
- Check for RF defects: Check the IF output
- Check for AUDIO defect: Check the SIF Signal output



- 





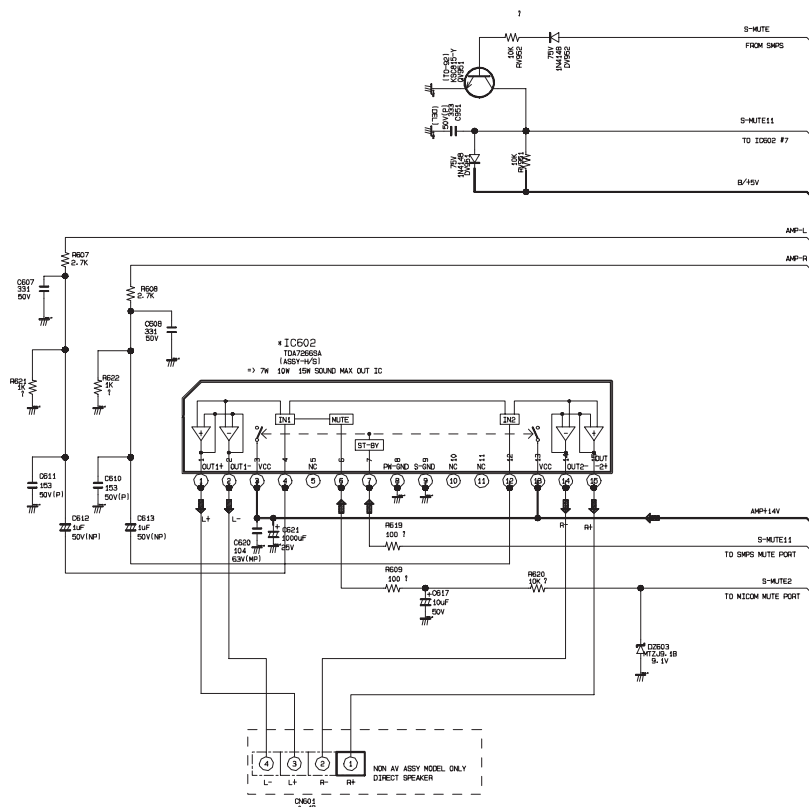
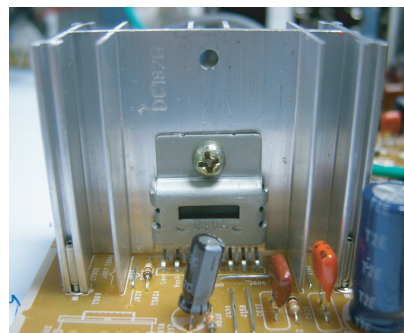




#### 4. TDA7266SA / TDA7297SA (Audio Processor) Diagnosis

This receives the signal from the Audio Processor (VCTI) and outputs the signal in 7W+7W / 10W + 10W sound.

- Power supply : 14V
- Check for input defects : AMP-R, AMP-L
- Check for output defects : L+, L-, R+, R-



SOUND OUTOUT & JACK BLOCK

## 6-4-2 Troubleshooting Deflection Block

### ■ Countermeasures by Deflection Types

1. The screen is blank and only the relay repeats close and open when turning the power on.
  - ▶ This happens when the vertical voltage or vertical signal is not supplied, and because the Micom operates for 5 to 10 seconds and then turns the power off by force as it cannot detect the vertical signal.
2. CHECK POINT
  - Check that the vertical output voltage is measured in the FBT terminal.
    - VCC (+) : +16.5V
    - VCC (-) : -16.5V
  - ▶ If you cannot measure the output voltage, check that the collector voltage of the horizontal TR is 1360V.  
If the voltage is measured, the problem is a defect in the FBT unit.  
(When you don't have an oscilloscope, and you can hear the high-voltage sound, you can determine that the horizontal TR is normal.)
  - Is the vertical input waveform output from the VCTI VDP Pin.