4 Troubleshooting

4-1 First Checklist for Troubleshooting

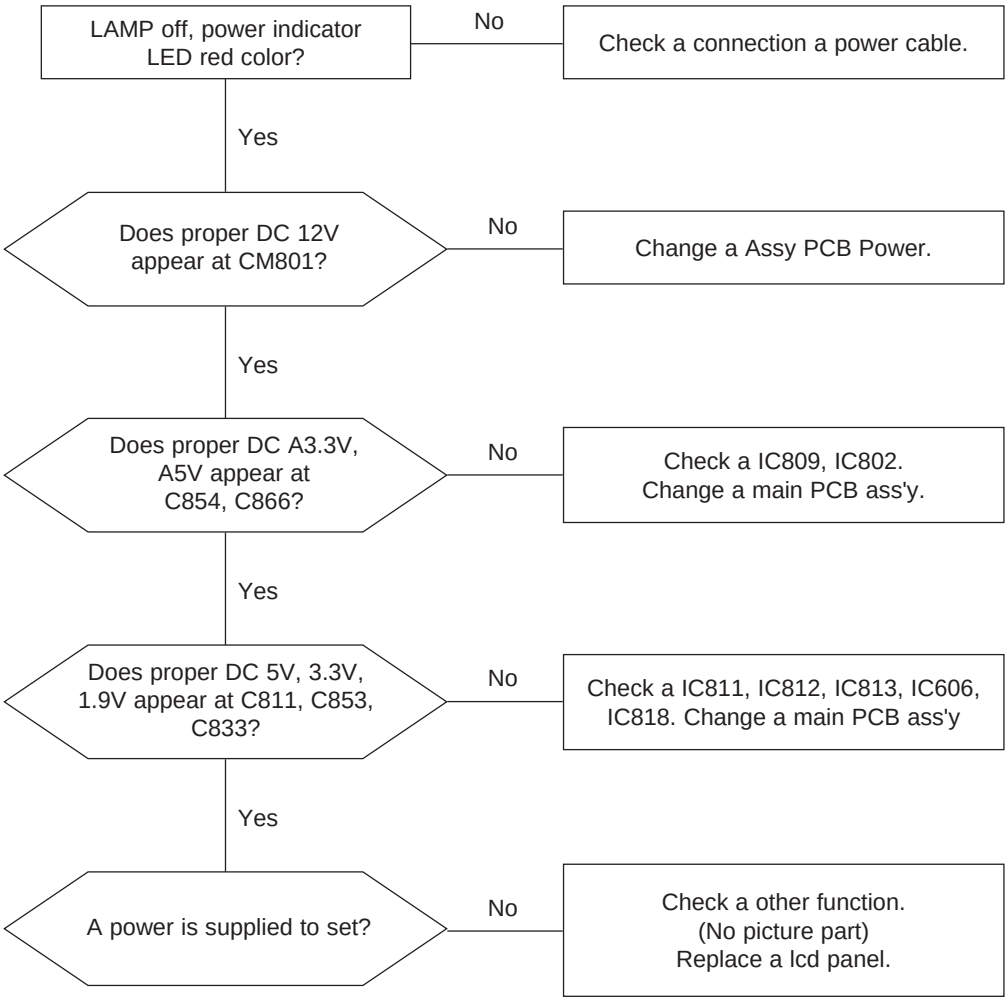
1. Check the various cable connections first.
   - Check to see if there is a burnt or damaged cable.
   - Check to see if there is a disconnected cable connection or a connection is too loose.
   - Check to see if the cables are connected according to the connection diagram.

2. Check the power input to the Main Board.

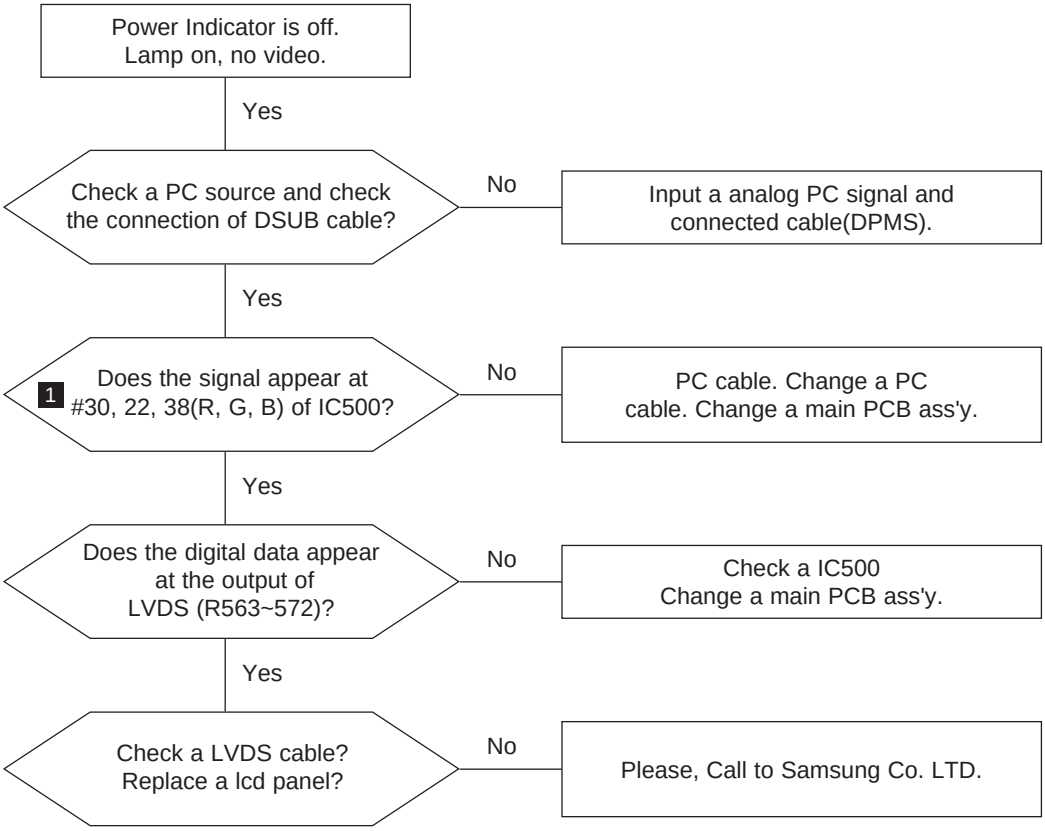
3. Check the voltage in and out between the SMPS ◄►Main Board, between the SMPS ◄► INVERTER Board, and between the Main LVDS Boards.

4-2 Checkpoints by Error Mode

4-2-1 No Power

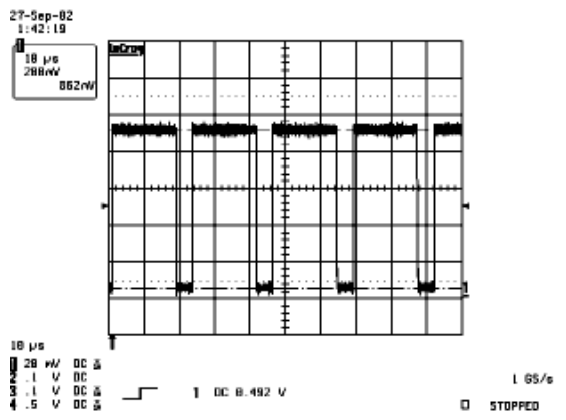


4-2-2 No Video (Analog PC)

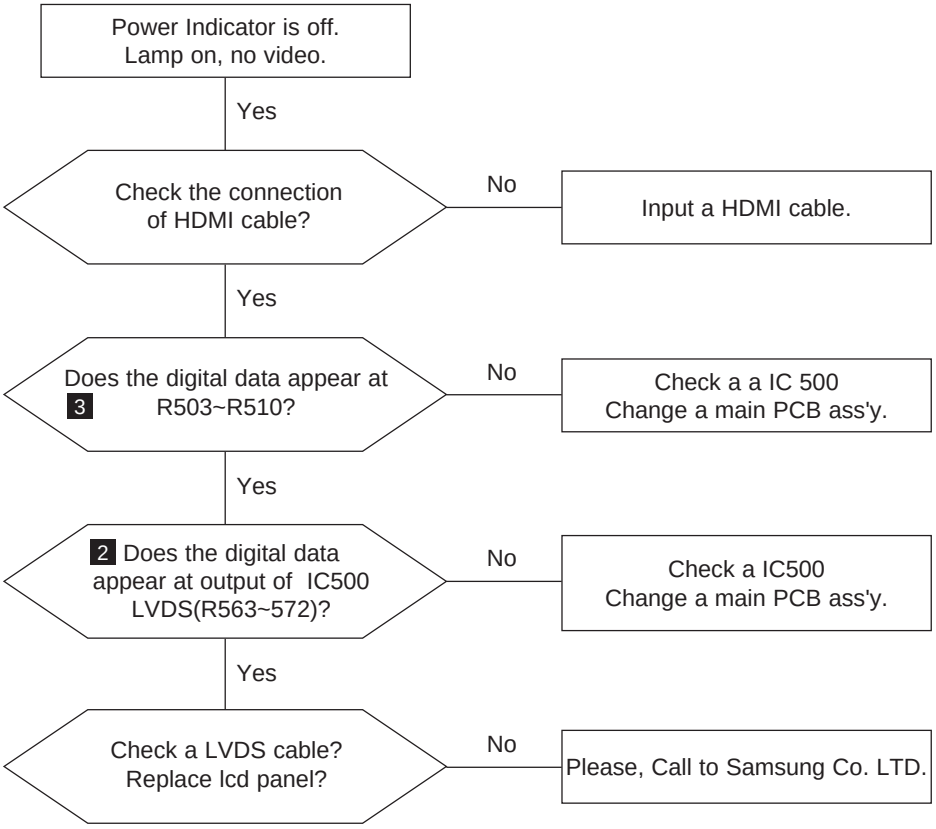


WAVEFORMS

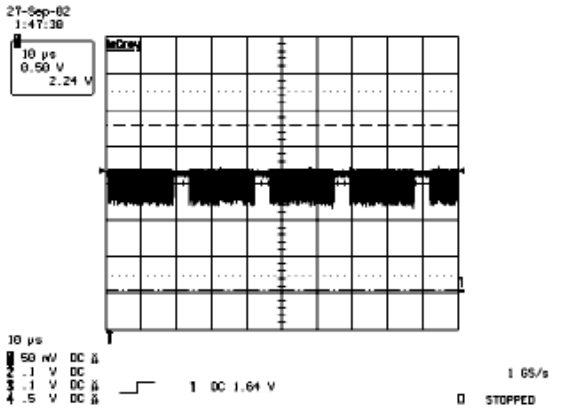
1 R,G,B Output Signal of IC500



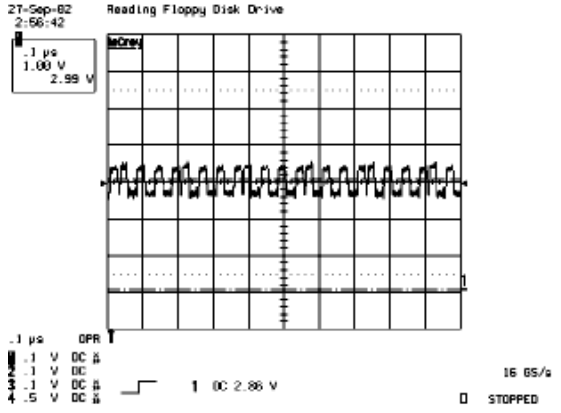
4-2-3 No Video (Digital-HDMI)



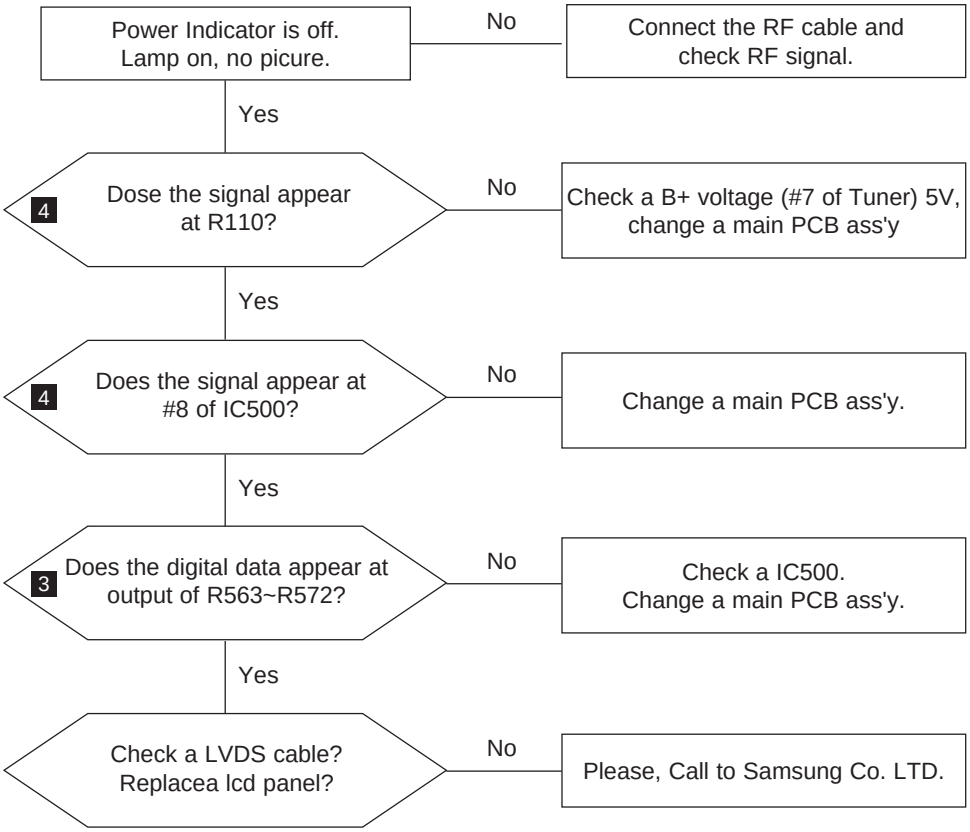
2 Digital Output Data of IC500



3 Signal of HDMI(Data)

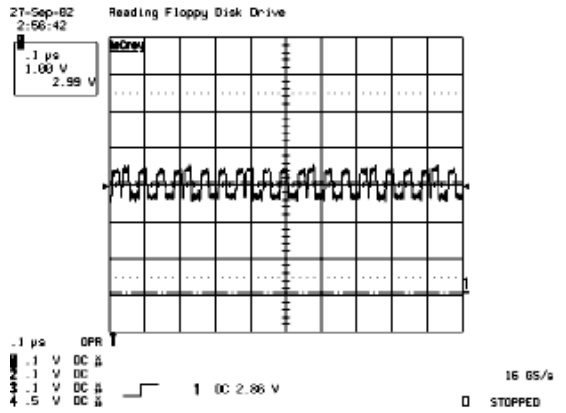


4-2-4 No Picture (Tuner_CVBS)

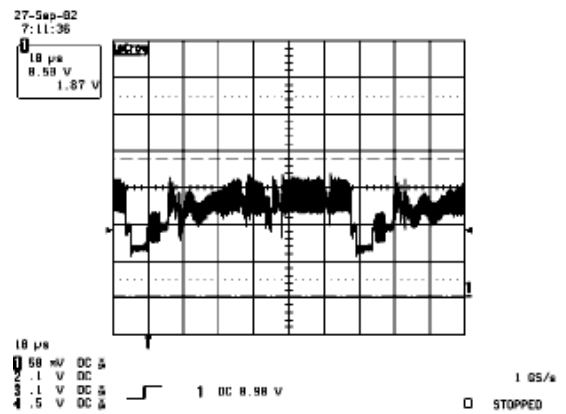


WAVEFORMS

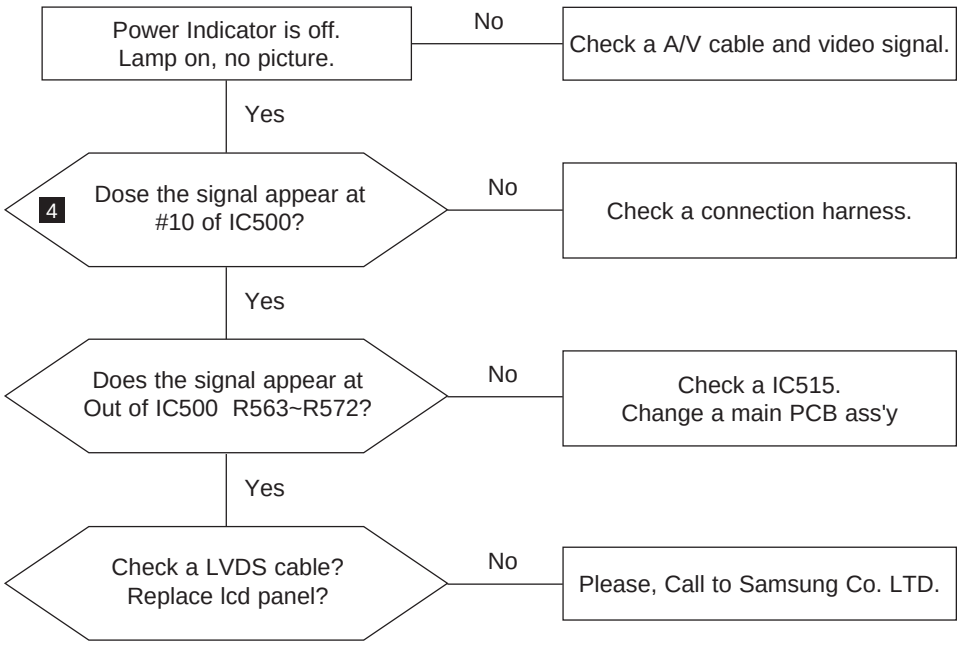
3 CVBS Output Signal



4 Tuner_CVBS Output Signal

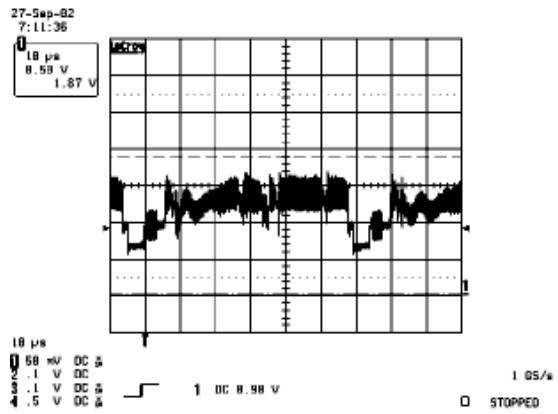


4-2-5 No Picture (Video_CVBS)

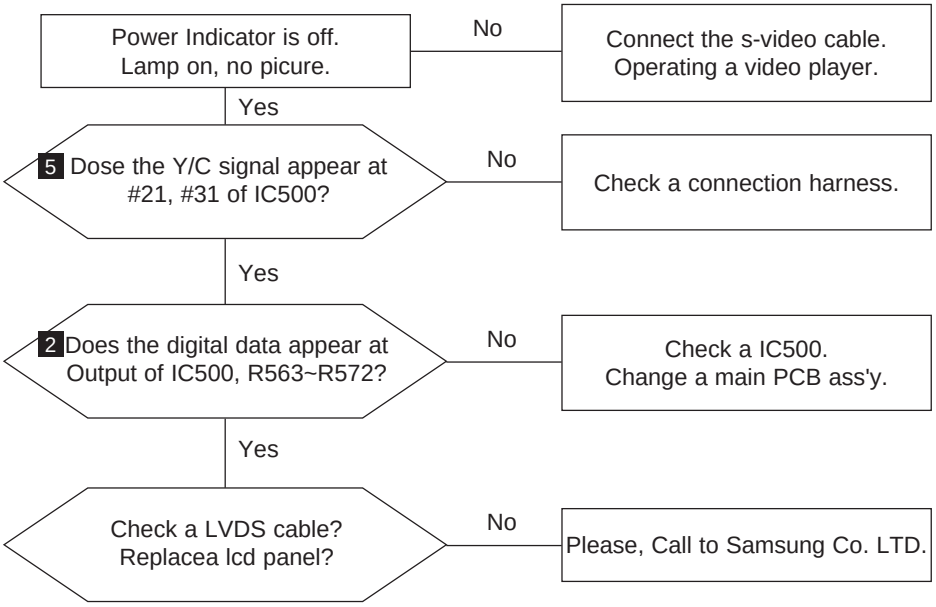


WAVEFORMS

4 CVBS Output Signal

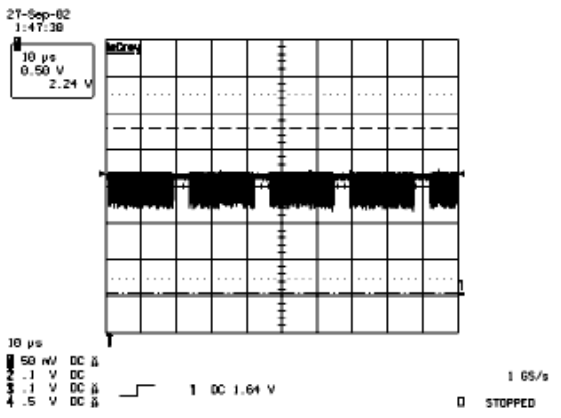


4-2-6 No Picture (S-VIDEO_Y,C)

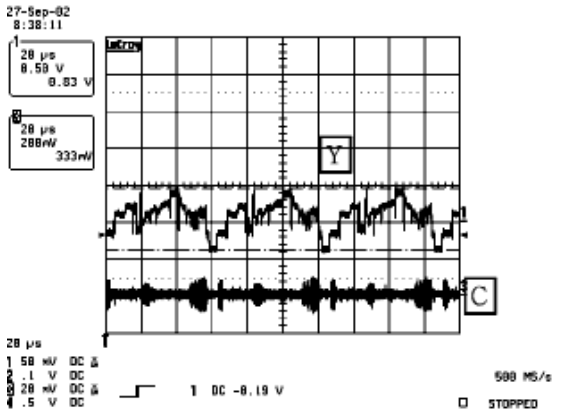


WAVEFORMS

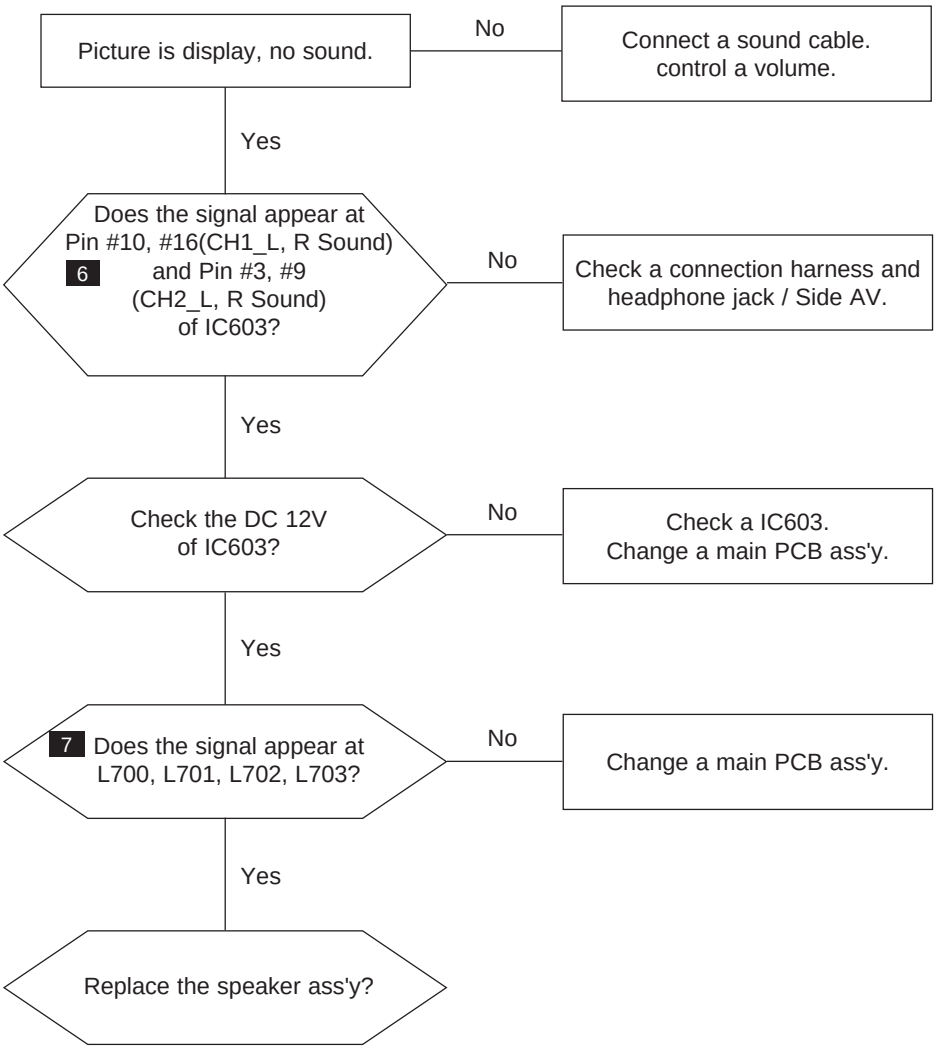
2 Digital Output Data of IC500



5 Analog Signal(Y,C) to IC500

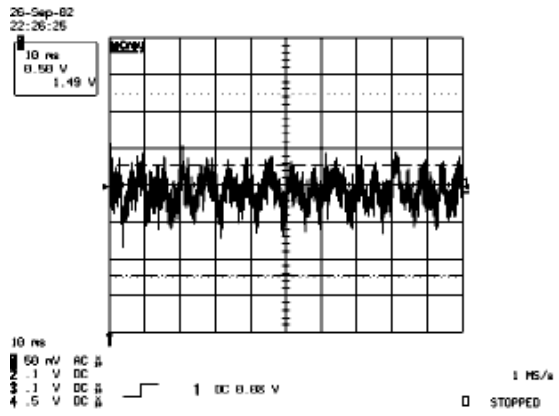
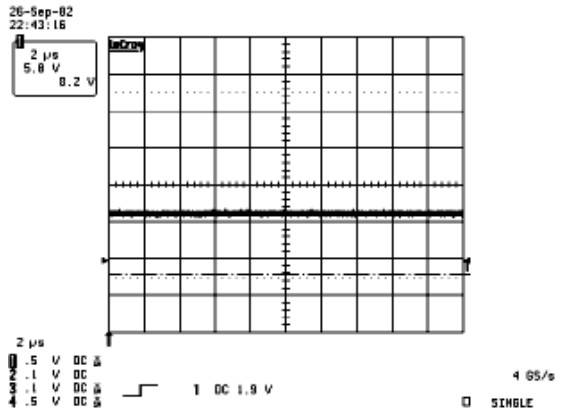


4-2-7 No Sound


Picture is display, no sound.
No
Connect a sound cable.
control a volume.
Yes
Does the signal appear at
Pin #10, #16(CH1_L, R Sound)
6
and Pin #3, #9
(CH2_L, R Sound)
of IC603?
No
Check a connection harness and
headphone jack / Side AV.
Yes
Check the DC 12V
of IC603?
No
Check a IC603.
Change a main PCB ass'y.
Yes
7
Does the signal appear at
L700, L701, L702, L703?
No
Change a main PCB ass'y.
Yes
Replace the speaker ass'y?

WAVEFORMS

6 The Signal are Inputed to IC603



7 DC +12V