

S.M.A.R.T. Service Material and Reference Tips

Product: LCD

Date: 2/4/2010

Models: 32RV525RZ, 37RV52R, 37RV52RZ, 37RV525RZ, 40RV52R,
40RV52RZ, 40RV525R, 40RV525RZ, 46RV525R, 46RV525RZ

Doc Ref/File: SMART2009-LCD209-V9

Purpose: The purpose of this document is to give the service provider troubleshooting information designed to expedite the diagnosis and service process to modular/sectional level for Toshiba products.

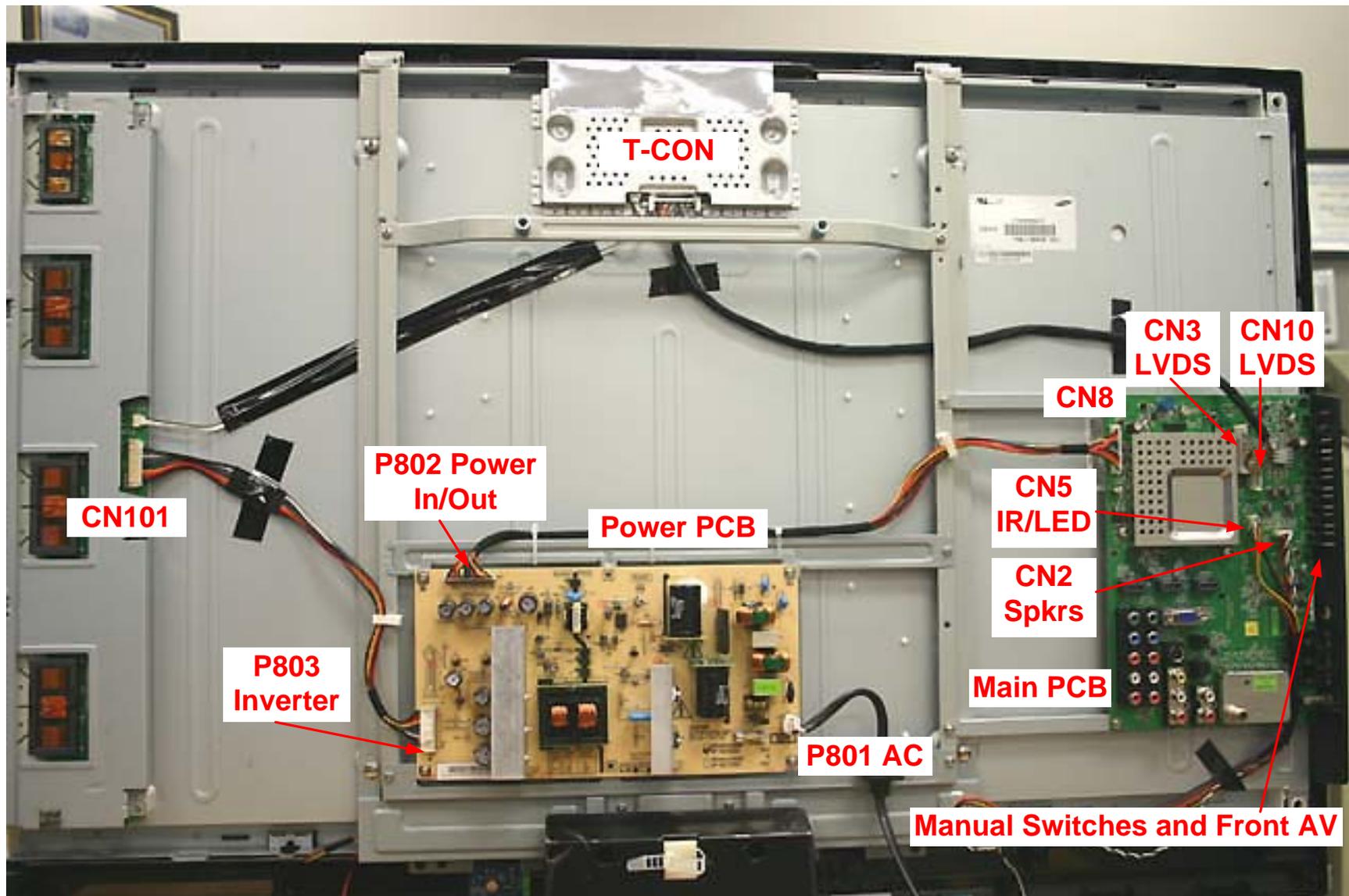
[The information contained within the document will evolve over time so a version number has been indicated in the document name. The servicer should always use the latest version available.]

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Feedback: Please provide any comments or suggestions about this document to technical_support@tacp.com When commenting, please provide the document and version number on all correspondence.

32RV525RZ, 37RV52R, 37RV52RZ, 37RV525RZ, 40RV52R,
40RV52RZ, 40RV525R, 40RV525RZ, 46RV525R, 46RV525RZ



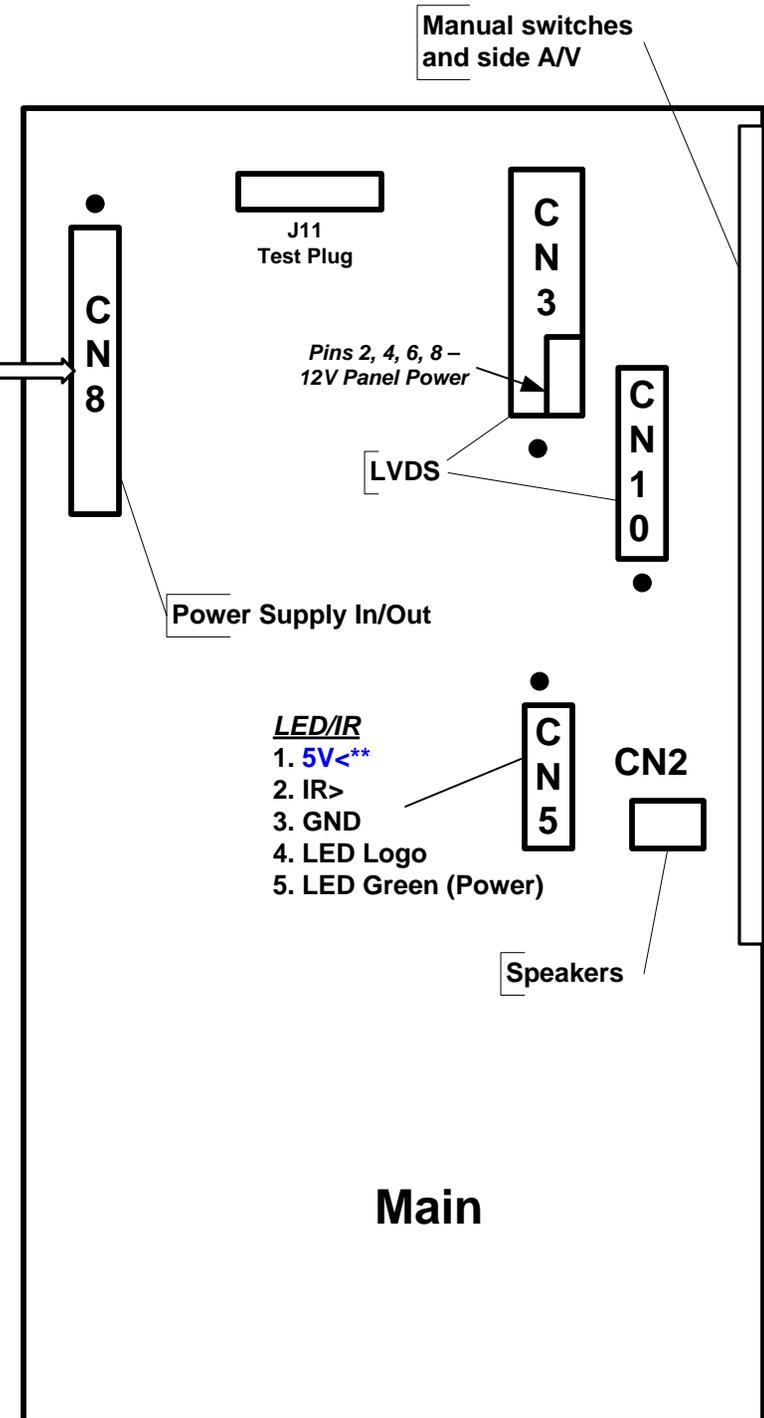
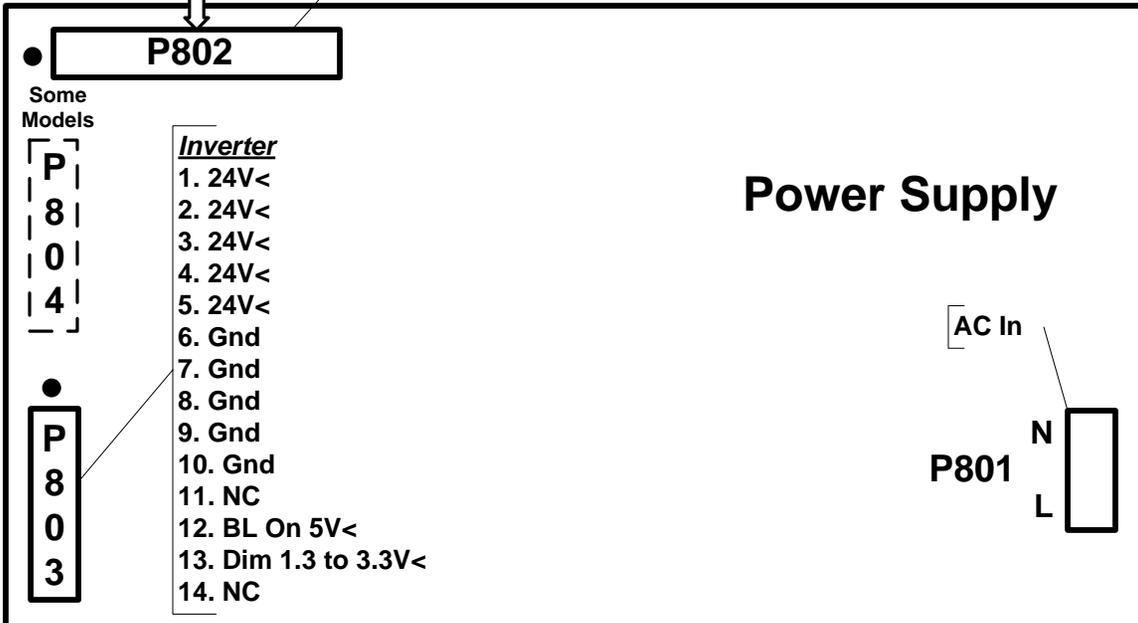
Wiring Interconnect

32RV525RZ, 37RV52R,
 37RV52RZ, 37RV525RZ,
 40RV52R, 40RV52RZ,
 40RV525R, 40RV525RZ,
 46RV525R, 46RV525RZ

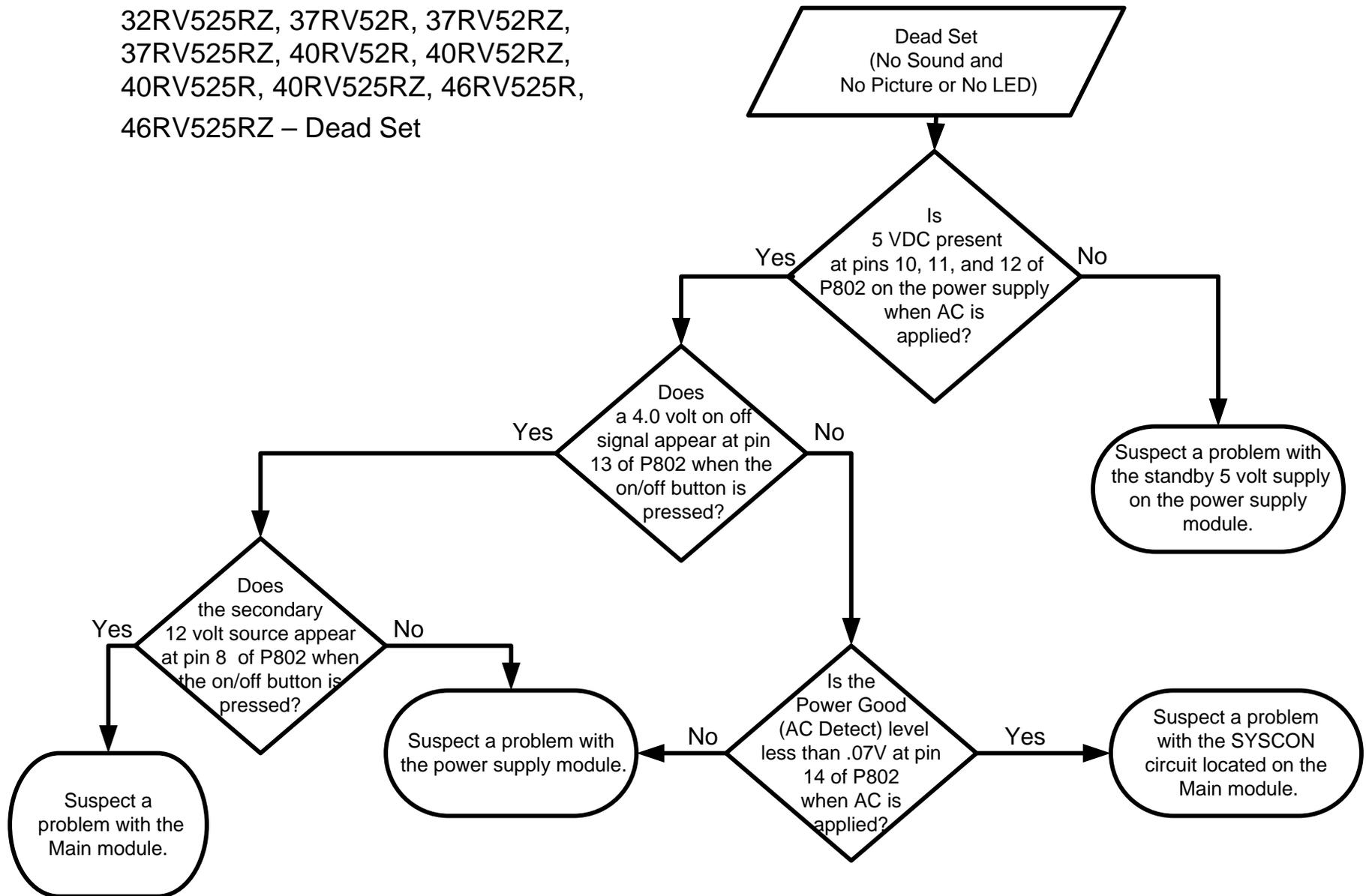
Key
 Pin 1 ●
 Flow >-out <-in

Power Supply In/Out

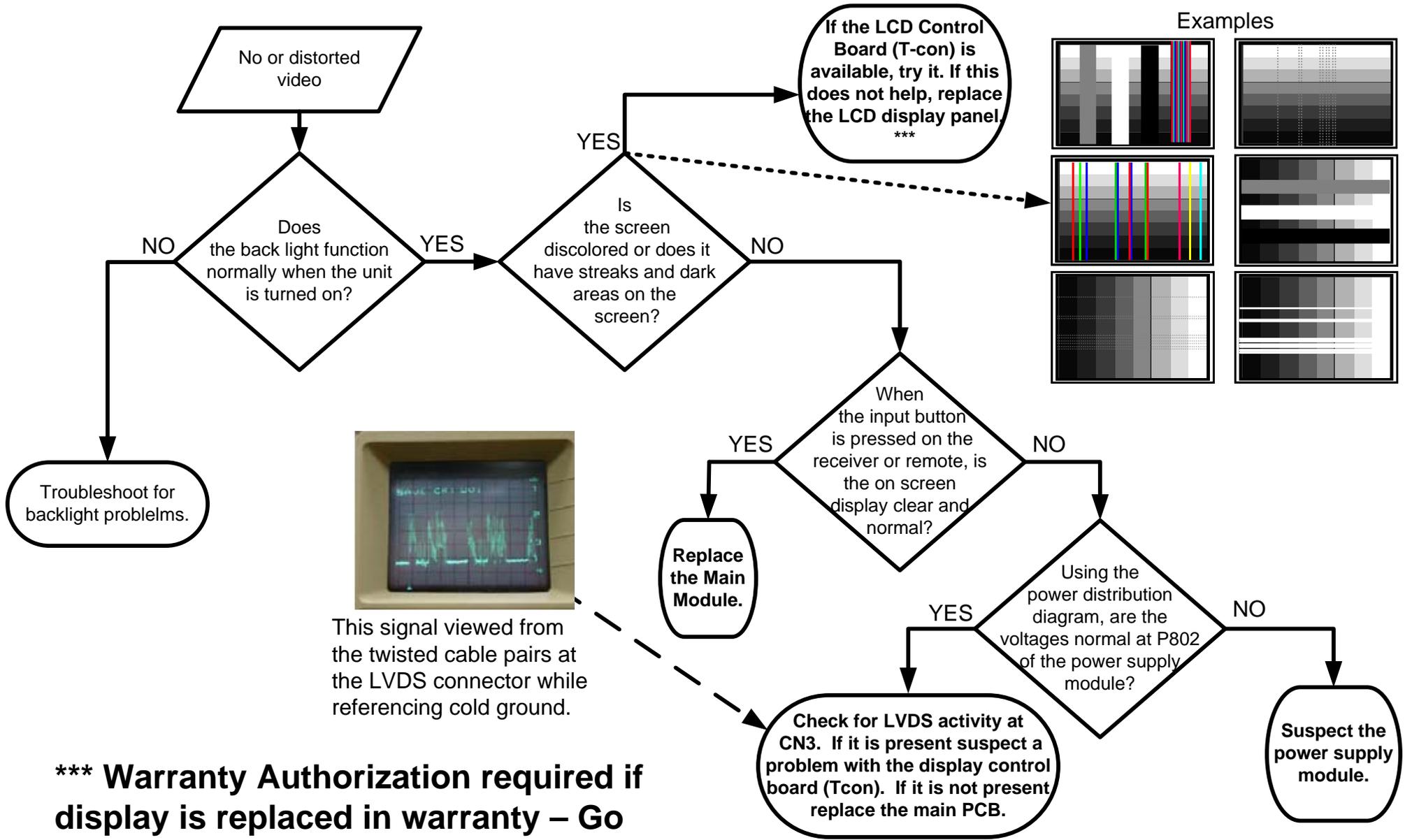
1. Gnd
2. Gnd
3. 24V Aud>
4. 24V Aud>
5. Gnd
6. Gnd
7. Gnd
8. 12V>
9. 12V(Panel Pwr.)>
10. 5V>**
11. 5V>** ** Indicates Standby
12. 5V>**
13. Pwr. On (Enable) 4.0V<
14. AC Det.(PWR Good) .07V<
15. Dim 1.3 to 3.3V<
16. BL On 5V<



32RV525RZ, 37RV52R, 37RV52RZ,
37RV525RZ, 40RV52R, 40RV52RZ,
40RV525R, 40RV525RZ, 46RV525R,
46RV525RZ – Dead Set



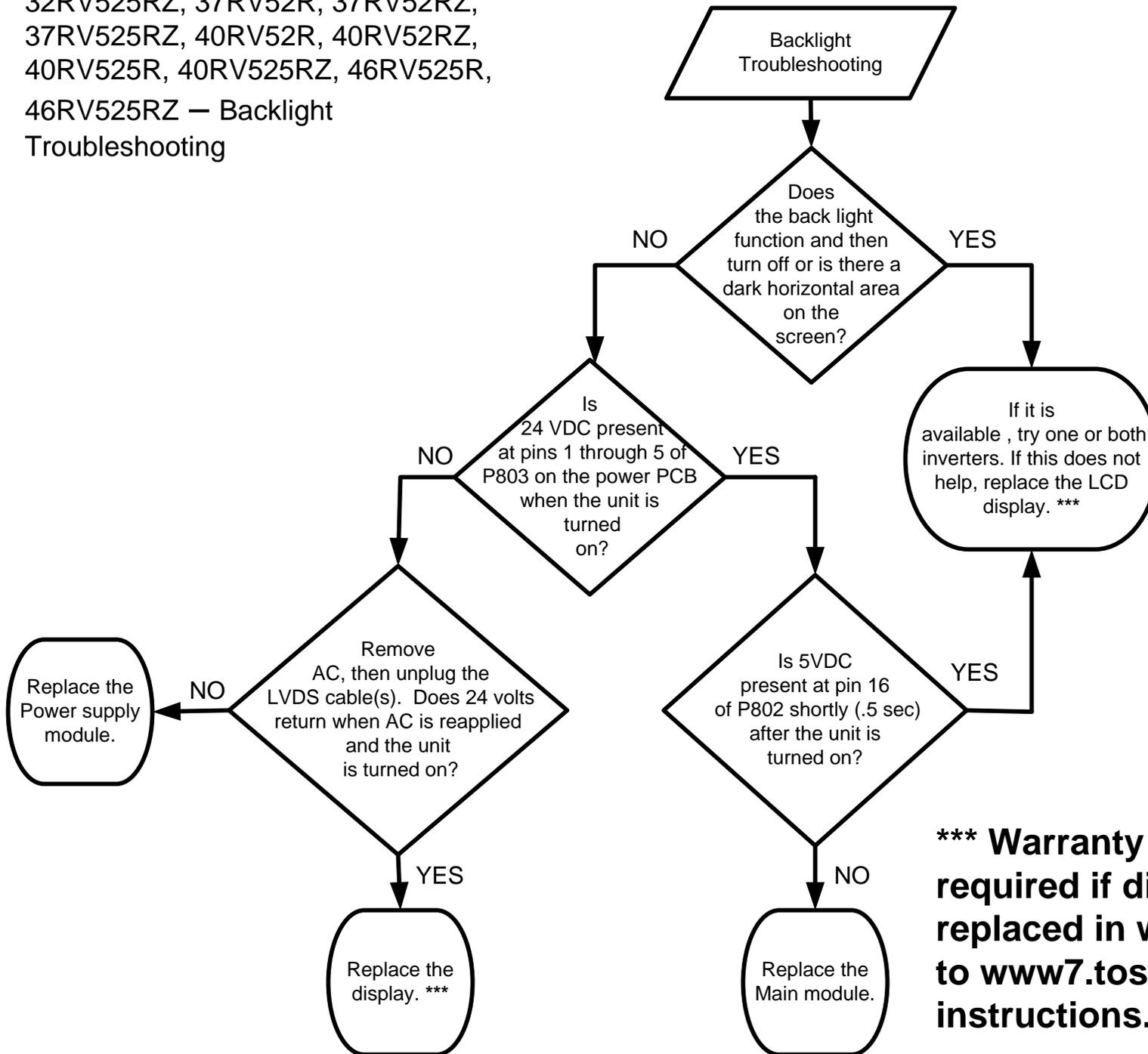
32RV525RZ, 37RV52R, 37RV52RZ,
 37RV525RZ, 40RV52R, 40RV52RZ,
 40RV525R, 40RV525RZ, 46RV525R,
 46RV525RZ – No or distorted Video



This signal viewed from the twisted cable pairs at the LVDS connector while referencing cold ground.

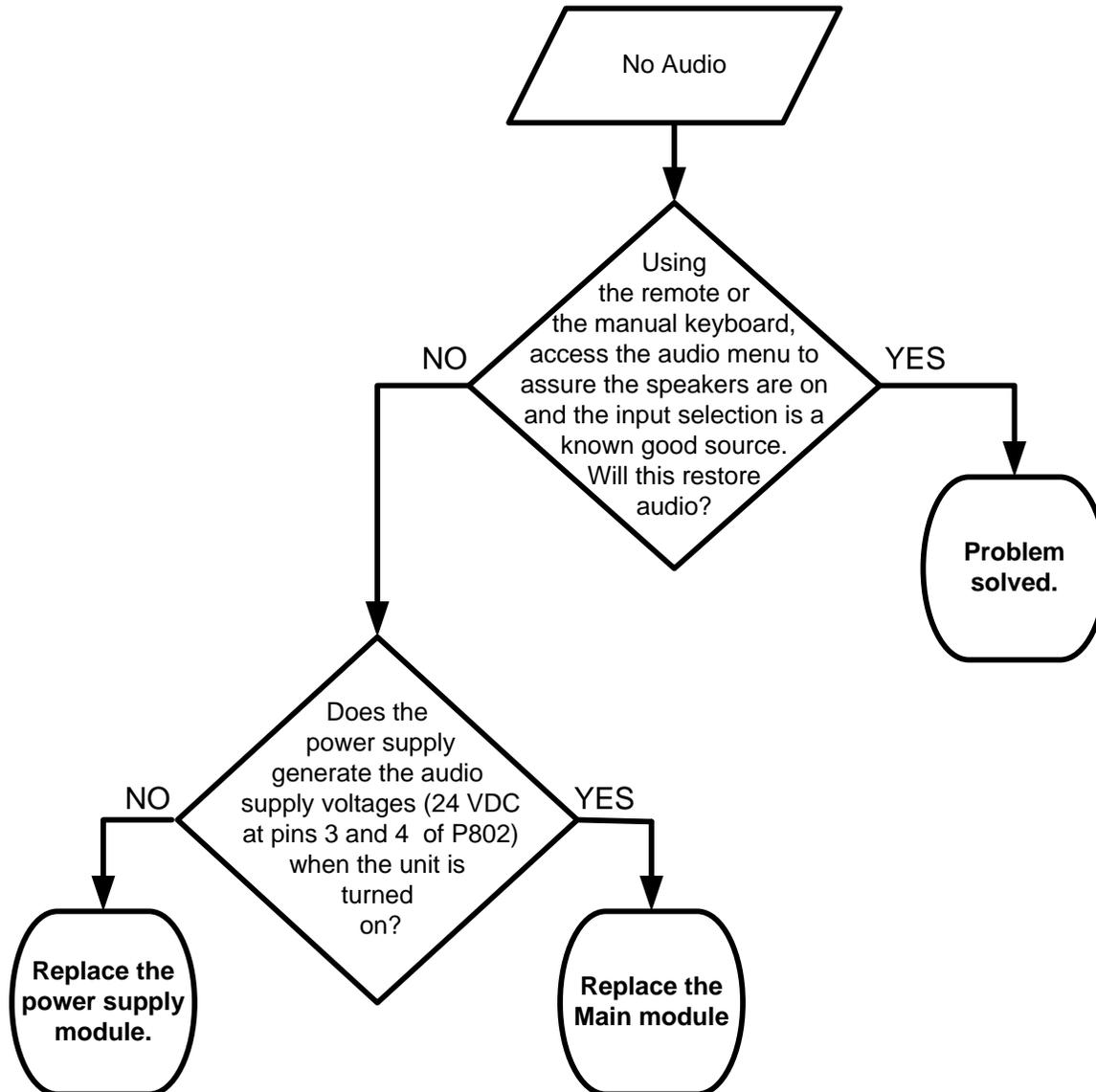
***** Warranty Authorization required if display is replaced in warranty – Go to www7.toshiba.com for instructions.**

32RV525RZ, 37RV52R, 37RV52RZ,
37RV525RZ, 40RV52R, 40RV52RZ,
40RV525R, 40RV525RZ, 46RV525R,
46RV525RZ – Backlight
Troubleshooting



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32RV525RZ, 37RV52R, 37RV52RZ,
37RV525RZ, 40RV52R, 40RV52RZ,
40RV525R, 40RV525RZ, 46RV525R,
46RV525RZ – No Sound



FIRMWARE UPDATING

How to update using a USB mass-storage device

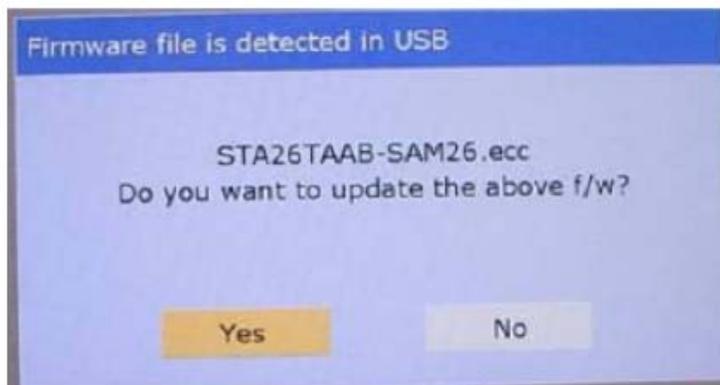
Preparation

Download the firmware relating to the correct model and copy it to a USB Flash memory.

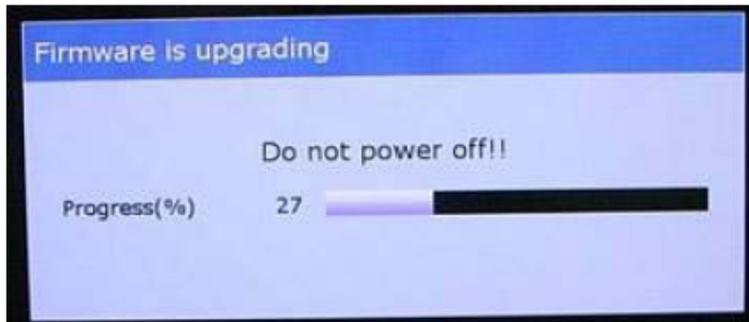
1. Insert the USB storage device into the USB slot of the TV set, then turn the unit on.



2. The Display will generate the OSD message shown below. Choose "Yes" and press enter.



3. The firmware upgrade window will appear next.
Do not disconnect AC plug or turn off TV while updating.



4. When the upgrade is complete, a "Success" message will be displayed. Follow the instructions displayed to restart the TV.



Factory Mode

The factory mode, necessary adjustments, and update procedures shown below can be accessed in this unit using the supplied remote control transmitter.



To enter the factory mode, you must press “Left Arrow (<), then Exit, then Enter” within approximately two seconds. To end this function, press exit or simply turn the television off.