

# Sony bravia kdl40hx850 smart LED tv troubleshooting

we will check the bad screen (flickering and ghosting screen). this tv had multiple problems so we will focus on the teardown. i add the service manual this is very helpful for troubleshooting and dissasembly

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#### INTRODUCTION

this tv had a bad screen (ghosting and flickering). This tv is well know for this problem. most of the time there are 3 major causes: bad T CON board, loose flat cables or a bad LCD screen) also a bad lvds connector can cause some problems so also check the connector real good as well the cable.

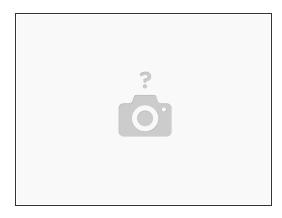
Due to data loss on my computer i lost all the pictures to make this guide.. if you have questions, feel free to contact me.



#### **TOOLS:**

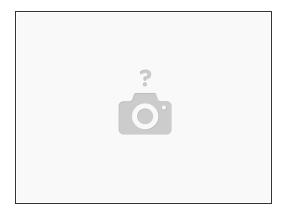
Mako Driver Kit - 64 Precision Bits (1)

#### Step 1 — Sony bravia kdl40hx850 smart LED tv troubleshooting



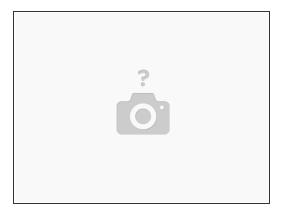
- before we take the tv apart we will do a self diagnostic test on the tv. See for more info in the service manual that i add to this guide.
- for a self test on the tv, push following buttons on the remote: display button ( see picture for more info on this button ) channel 5 volume down and than power button.
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## Step 2



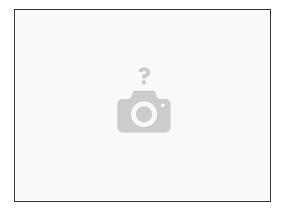
- we will open the tv. first we will remove the BUNCHIN audio undercarriage. So you can move the tv separately
- remove the 3 screws holding the panel tot the undercarriage.
- remove the other 3 screws as shown in picture 2
- lift the panel (tv) up and remove it from the BUNCHIN audio part (sole, undercarraige...)
- ito remove the screen : do this with 2 persons and lay the tv down on a sheet (blanket)or something.
- when removing the screen from the audio undercarrige: whatch out for the audio cable (remove this before removing screen)
- ike you know always make sure the tv is unplugged from the electric socket before you manipulate the tv.

## Step 3



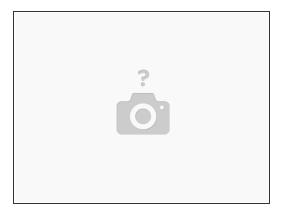
- we will remove the power supply plate.
- it is a small black plastic plate holding the power cable.
- remove 1 screw and slide the plastic cable holder to the left away from the plate.

## Step 4



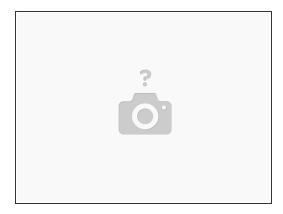
- we will remove the back plate. you have to remove 22 screws.
- first remove the 2 screws in red. start with the screw on the left.
- remove the 4 screws in yellow. start with the one on the left
- remove the 14 screws in green. the 2 on the side as last.

# Step 5



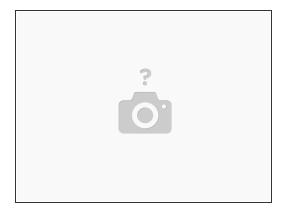
- remove the last screws, in blue.
- now remove the panel
- to remove the panel: lift the back plate towards you (beginning with the upper side of the plate), then tilt it to the left.
- right is the allignment corner.

# Step 6 — checking out LVDS/LCD cable to improve screen



- now you'll see all the PCB's.
- now it's time to check out the LVDS cable or LCD cable and the LVDS connector. wiggle getnly the cable and check te tv.
- in red de LVDS connector. attached on that connector the LVDS/LCD cable.
- if the screen or picture is not better you can check out the diodes on the T con board. or follow the trouble shoot page in the service manual.

#### Step 7 — removing T Con Board



Insert wisdom here.