



Proscan 32LB30Q Television Board(s) Replacement

How to replace the Proscan 32LB30Q inverter board. How to replace the Proscan 32LB30Q T-Con board. How to replace the Proscan 32LB30Q Main board.

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INTRODUCTION

I was given a Proscan 32LB30Q flat screen LCD TV that was described as working intermittently less and less over time.

When I plugged in the TV, after vacuum cleaning and wiping down with 91% Isopropyl alcohol and a damp towel, I found the red LED on the face of the TV by the power On button comes on and I here a relay click in the middle back.

When I pressed the power button, I heard the speakers make a brief low volume static noise that goes silent and then the previously red LED flashes blue seven times and then stays solid blue with nothing other than a black screen the whole time.

When I cleaned the system... I did notice what looked like discoloration above and maybe on two of the transformers (top two) on the CCFL power supply or maybe is called an inverter board more accurately. I didn't notice any leaking or bulging caps or burn marks anywhere else on any of the other boards.

The Power Supply Board voltages outputs were in specification. However, the CCFL Inverter Board input at the connector was found to have the MOD-SEL PWM reading 4.0V and the BLON wire reading 0.0V.

After testing the BLON (red) wire during the power on process, I found the voltage reading went up to 4.9V after pressing the ON button and then before the second blue LED blink, and around the time of the audio static noise, the reading went back to 0.0V.

The T-Con and Main Board will also be described regarding how to replace thanks to others feedback regarding replacement when a sound is present during, and primarily no display on, startup.

I found in the above noted scenario, after replacing the Inverter and T-Con board with no change in effect, the Main Board required replacement and the original Inverter and T-Con boards were left.

TOOLS:

- Phillips 3 Screwdriver (1)

PARTS:

- BACKLIGHT-INVERTER-MODEL-V266-001-4H-V2668-001-G/262526838411 (1)
- PROSCAN 32LB30QD MAIN BOARD 0708060138 B.ZRAT3C-1 7355 (1)
- 1 x AUO-55-31T03-C04-31T03-C00-T315XW02-VL-CTRL-BD-T-Con-Board (1)

Step 1 — Lay screen on flat surface face down and remove back cover screws



- Be sure to unplug the TV from the power outlet.
- Lay TV face down on a flat clean surface.
- Remove back cover screws using the #3 Phillips head screw driver.
- Remove the four base stand screws using the #3 Phillips head screw driver.
- Remove stand by sliding out.
- Remove back cover by lifting off.

Step 2 — Clean inside of back cover and TV internal components



- Clean the inside, and outside if not already, of the back cover using a damp towel and vacuum first if heavily soiled. I prefer to use a towel dampened with 91% isopropyl alcohol.
- Inspect components for burn marks, bulging capacitors and loose connections. Note observation(s) for future reference.

Step 3 — Remove and replace the Inverter Board



- Remove the inverter board screws using a #3 Phillips head screwdriver.
- Carefully disconnect the connections to the inverter board, unless only changing the T-Con Board where you then can proceed to Step 4 for further instructions.
- Remove the inverter board and replace with a functional inverter board that meets the original board manufacturer specifications (same model board or recommended replacement).

Step 4 — Replace the T-Con Board



- Remove the T-Con board cover screws using a #3 Phillips head screwdriver. You will also need to remove the 4 screws holding down the main board bracket and slide the bracket down to access the remaining 2 T-Con board cover screws.
- Carefully disconnect the connections to the T-Con board.
- Remove the T-Con board and replace with a functional T-Con board that meets the original board manufacturer specifications (same model board or recommended replacement).

Step 5 — Replace the Main Board (Recommended Repair in This Scenario)



- Remove the Main board screws holding the face of the external connectors using a #3 Phillips head screwdriver. You will also need to remove the 4 screws holding down the main board.
- Carefully disconnect the connections to the Main board.
- Remove the Main board and replace with a functional Main board that meets the original board manufacturer specifications (same model board or recommended or suitable replacement).

Step 6 — Reassemble back cover and stand



- Follow the directions in reverse to replace the back cover and stand using all the screws where originally found.

Step 7 — Power up and verify functionality



- Plug in the TV and press on the power button observing LED's, sounds and functionality.

To reassemble your device, follow these instructions in reverse order.