

LG rework bulletin for 2007 TV models

There are two styles of boards being used for the 26" and up 2007 LG LCD line. They can be basically divided into two categories.

- Models ending in 7D. This board has 2 HDMI inputs
- Models ending in 5D or 9D. This board has 3 HDMI inputs. The 42LC7D also uses this board

There are at least 5 different bulletins that LG has issued to explain this issue. None of them addresses all of the common problems. There are additional coils that have to be removed and replaced with a jumper wire on every board in addition to the ones mentioned in the bulletins.

Symptoms:

Note: Almost all of these symptoms are very intermittent and can be extremely difficult to verify. For this reason, make sure all of the coils listed in this bulletin are taken care of, not just the ones that are causing the problem.

1. Channels or menu functions scroll on their own
2. Remote does not function
3. TV powers on and off on its own.
4. Dead
5. No backlight

Cause:

Even though these components are labeled as coils, they are actually 4 pin LC networks. It is the internal capacitor that is leaking to ground and shorting out the data lines.

On all of these boards, if the coils have a rectangular marking on them, don't do the modification. These are TDK coils and are not defective.

All 7D series boards except 47LC7d

Remove the coils with ref# L4010, L4011, L4012, L4203, and L4206 and install jumper wires.

- L4206 is not mentioned in any of the bulletins. This is the coil that is connected to the AC detect line and is causing the dead set and shut down problems and is a very common failure.

- Less common and done on a case by case basis is coil L4204, which is connected to the Inverter turn on line. If you have no backlight, suspect this coil.
- If you see a problem with the volume increasing to maximum on its own, this is not caused by the coils. It is a static suppression zener diode on the keyboard that is shorted.
- **Use a complaint code of INSS regardless of symptom and use authorization code RD**

5D and 9D series boards and 47LC7D

Remove the coils with ref# L729, L741, L742, L743, and L744 and install jumper wires.

- L744 is not mentioned in any of the bulletins, but must be removed and replaced with a jumper wire as well.
- As with the 7D series, there are a few other data lines that are also affected but less common. These should be addressed on a case by case basis.
- **Use a complaint code of INSS regardless of symptom and use authorization code RD**

PDP model 60PY3D

This is the only plasma model that is affected by this problem. It has the 5D and 9D style board. On this model, you must remove L729, L731, L732, L741, L742, L743, and L744 and install jumper wires.

- **Use a complaint code of INSS regardless of symptom and use authorization code RB**

Other models

Some of the under 26" models are affected by this problem as well.