This is Samsung LCD TV BN44-00152B inverter power supply (IP board) schematic diagram. Where this power supplies are using on Samsung LN-T1953H LCD TV or other similar LN-T19 series led tv. Below is the picture of this PSU:
Subject: No audio or intermittent audio

Cause: The insulation pad located on audio output IC2502 breaks down.

Countermeasure: If the symptom of no audio or intermittent audio is occurring on the above models, please place the insulation pad on the foil side of IC2502 between the PWB and the heat sink. The IC is located on the AV unit.

Please refer to the following pages for the correct installation procedure.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
<th>Price code</th>
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<tr>
<td>Insulation Pad</td>
<td>PSPAZA663WJKZ</td>
<td>AK</td>
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</table>
1. Remove heat sink of IC 2502 (Audio Amp IC) on the AV unit.

2. There is no need to remove the residue from the old cooling sheet.

3. Place the insulation pad on the heat sink.

   *Use part number: PSPAZA663WJKZ – Insulation Pad*

4. Reattach the heat sink with the new insulation pad to the AV unit.

5. Do not over tighten the screw holding the heat sink to the chassis.

**NOTE:** If the symptom is not cured after replacing the cooling sheet, please check if the audio amplifier IC2502 (VHITA2024++-1Y) is damaged.
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By the way, if you want to become a professional in repairing LCD TV, then you must have the correct repair information, repair tips & etc to improve yourself. And at the same time, you also need to know, where to find the spare parts/components for your replacement. Don’t waste your time, most of these information are inside the LCD TV Repair membership site.

Thanks and have a nice day,
Kent
http://www.LCD-Television-Repair.com

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