Insignia NS-24ER310NA17 Infrared Sensor Replacement

Use this guide to replace the infrared sensor in your Insignia television.

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INTRODUCTION

Use this guide to replace the infrared sensor in your Insignia NS-24ER310NA17 television.

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<td>Phillips #00 Screwdriver (1)</td>
<td>TCL 40FS3800 IR Sensor KB-6160 (1)</td>
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Step 1 — Insignia NS-24ER310NA17 Disassembly

- Place the TV face down so you have access to the back.

Step 2

- Rest the TV on its top edge so you have access to the base.
- Use a Phillips #2 screwdriver to take out the four screws on the bottom of the base.
- Remove the base from the frame.
Step 3

- Lay the TV face down.
- Use the Phillips 00 Screwdriver to remove all of the Phillips Head Screws from the backside of the TV.

Step 4

- Stand the TV on its top edge.
- Gently pry apart the front and back of the TV.

⚠️ The two halves should pull apart easily since there are no longer any screws holding it together.
Step 5

There are wires still connecting the two halves.

- Remove all the pieces of tape to detach the wires from both sides.

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Step 6

- Completely pry apart your TV.

You should have a clear view of the inside on both sides.
Step 7 — Motherboard

- Remove all strips of tape attached to the silver steel rectangular piece.

Step 8

- Pull the red wire out from under the black plastic clip.
Step 9

- Unscrew the four screws surrounding the steel rectangle with a Phillips 00 Screwdriver.

Step 10

- Carefully lift the rectangular piece.
**Step 11**

- The rectangular piece will still be attached to the motherboard beneath it with a strip of tape. Remove this strip of tape.

**Step 12**

- Use a Phillips #00 screwdriver to remove the two screws on both sides of the motherboard.
Step 13

- Carefully lift the motherboard away from the television.

⚠ Keep in mind that the motherboard is still attached by several thin wires and should not be tugged.

Step 14

- There are 5 wires attached to the motherboard. Remove the two thicker white wires to the right of the red wire.
Step 15

- Remove the remaining three wires from the mainboard.

Step 16

- Carefully remove the mainboard from the television.
- You have now successfully removed the mainboard.
Step 17 — Infrared Sensor

- Unplug ribbon cable from port on main board that corresponds with IR sensor.

Step 18

- Unscrew single screw holding IR sensor and remove sensor with ribbon cable.

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