



# How to clean the Panasonic DVD-RV31 Player laser

Cleaning the laser to remedy skipping or playback issues.

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## **TOOLS:**

- **Phillips #2 Screwdriver (1)**

## Step 1 — Disk Tray Cover



- Eject the disk tray from the DVD player before removing power supply.

## Step 2



- Evenly lift upward on the disk tray front cover (not slanted, as pictured). This will allow for easier disassembly of the player.

## Step 3 — Outer Case



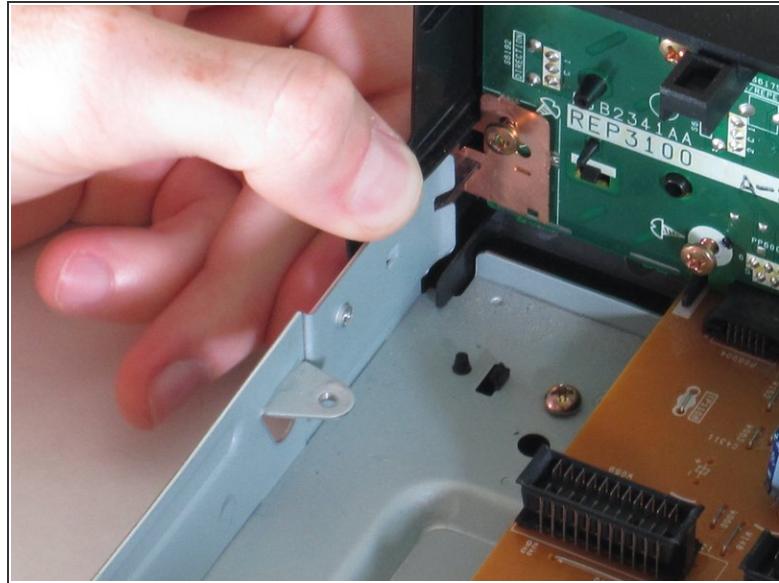
- Remove 3 screws running along back edge of case cover.
- Remove 2 screws from each side of case cover.

## Step 4



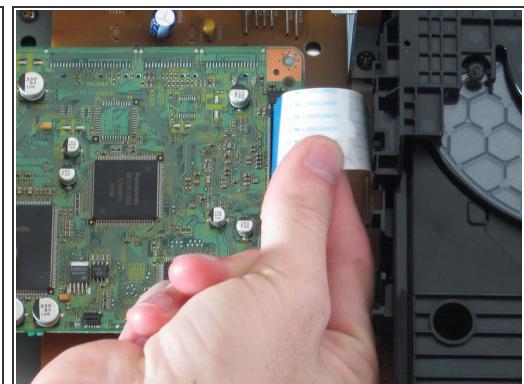
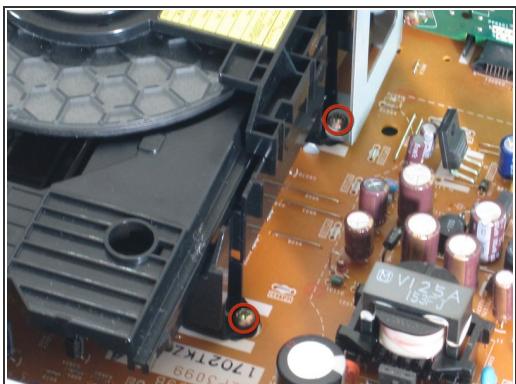
- Grab edges of cover, pull outward slightly, and pull straight up.

## Step 5 — Front Panel



- Lift up the 5 tabs securing the front panel to the chassis. There are 3 on the bottom, and 2 on the inside edges of the panel. Panel should then lift off the player.

## Step 6 — Disk Drive



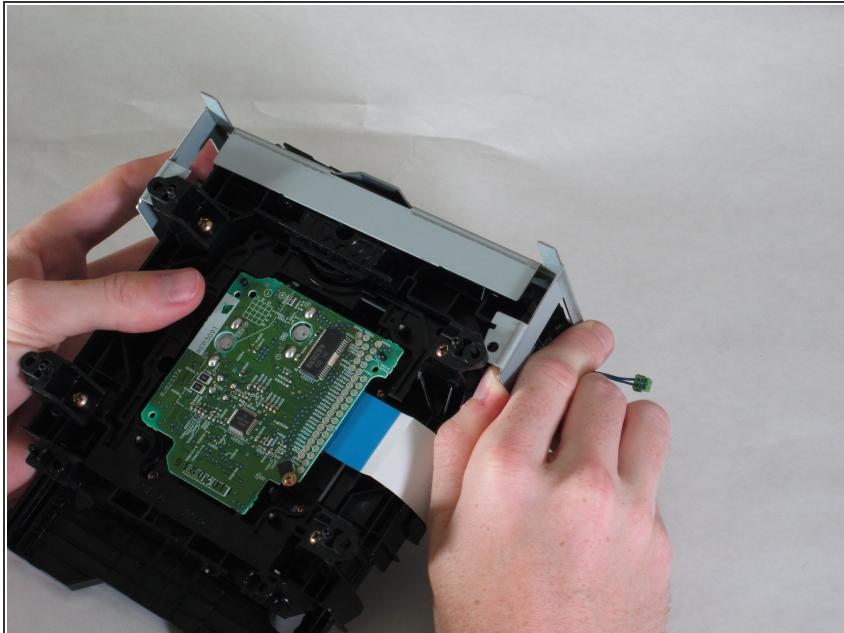
- Locate the 4 screws securing the disk drive assembly. There are two on each side.
- Use a narrow screwdriver to remove all 4 screws.
- Remove the blue ribbon wire from its connector. When doing this, be cautious to not damage the connector.

## Step 7



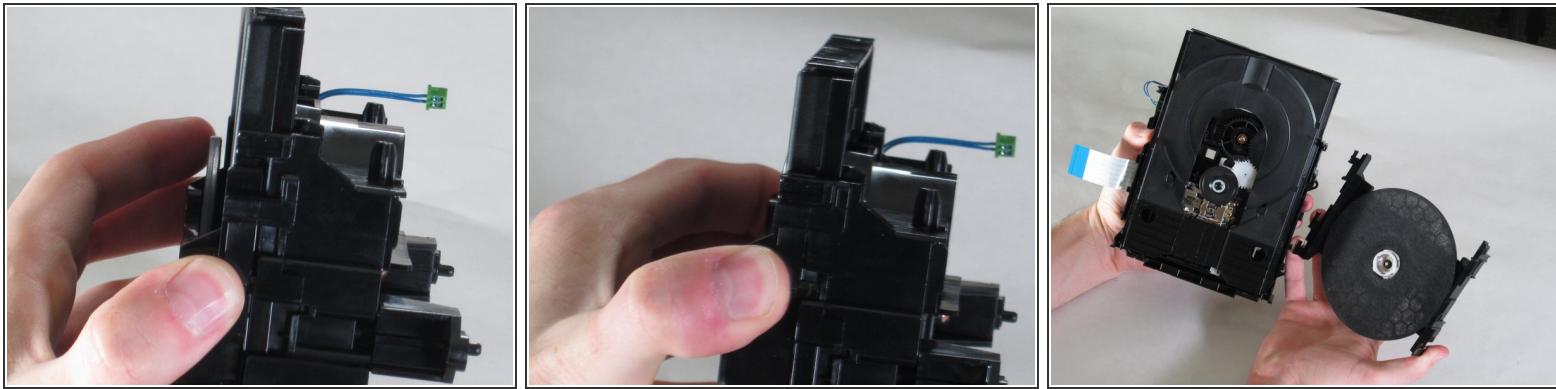
- Lift assembly by the front to pull metal bracket from the power board.
- Pull up back end and lift drive out.

## Step 8



- With the drive assembly separate from the player, hold as shown and pull the bracket edges away from the disk drive.
- Lift bracket off and reserve for re-assembly.

## Step 9 — Disc Retainer



- Grasp the bridge above the wheel and push the tabs on the side as shown.
- Pull down firmly and away from the laser housing.

## Step 10 — How to clean the Panasonic DVD-RV31 Player laser



- Be sure to wash your hands before cleaning the optical laser lens.
- Grab a microfiber or eyeglass cloth and gently brush the lens.

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