



# How to Onkyo R-21 Laser cleaning

Cleaning of laser lense to ensure proper CD reading operation

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## INTRODUCTION

Problem: CD playing problems as cracking, fas-forwarding, lack of bass...

Problem can be solved by cleaning the laser lense.



### TOOLS:

- [Phillips #0 Screwdriver](#) (1)
  - [Microfiber Cleaning Cloths](#) (1)
  - [High Content Rubbing Alcohol](#) (1)
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## Step 1 — Remove plug and cover



- Remove the data cable from the amplifier by pulling during pressing the plug on both sides
- Remove the 4 screws on the sides and the 3 screws on the back to remove the cover

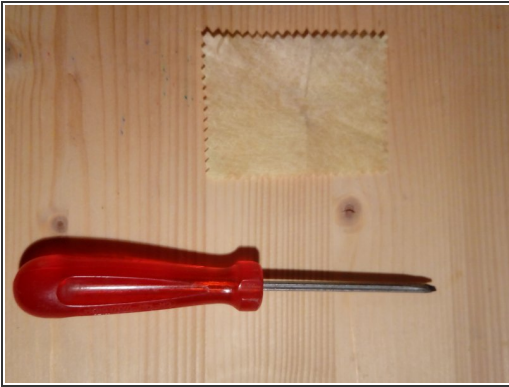
## Step 2



- The laser is located under the laser protection shield
- You can move it closer by turning the white gear to get better access to clean it



### Step 3 — Clean the lense



- Take a microfiber cloth or any clean cloth which is lint-free
- Wrap it around a flat screwdriver and soak it with high-percentage cleaning alcohol. I used 80% alcohol and it worked fine
- Clean gently and carefully the lense
- Turn the laser back to its standard position with the gearwheel

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