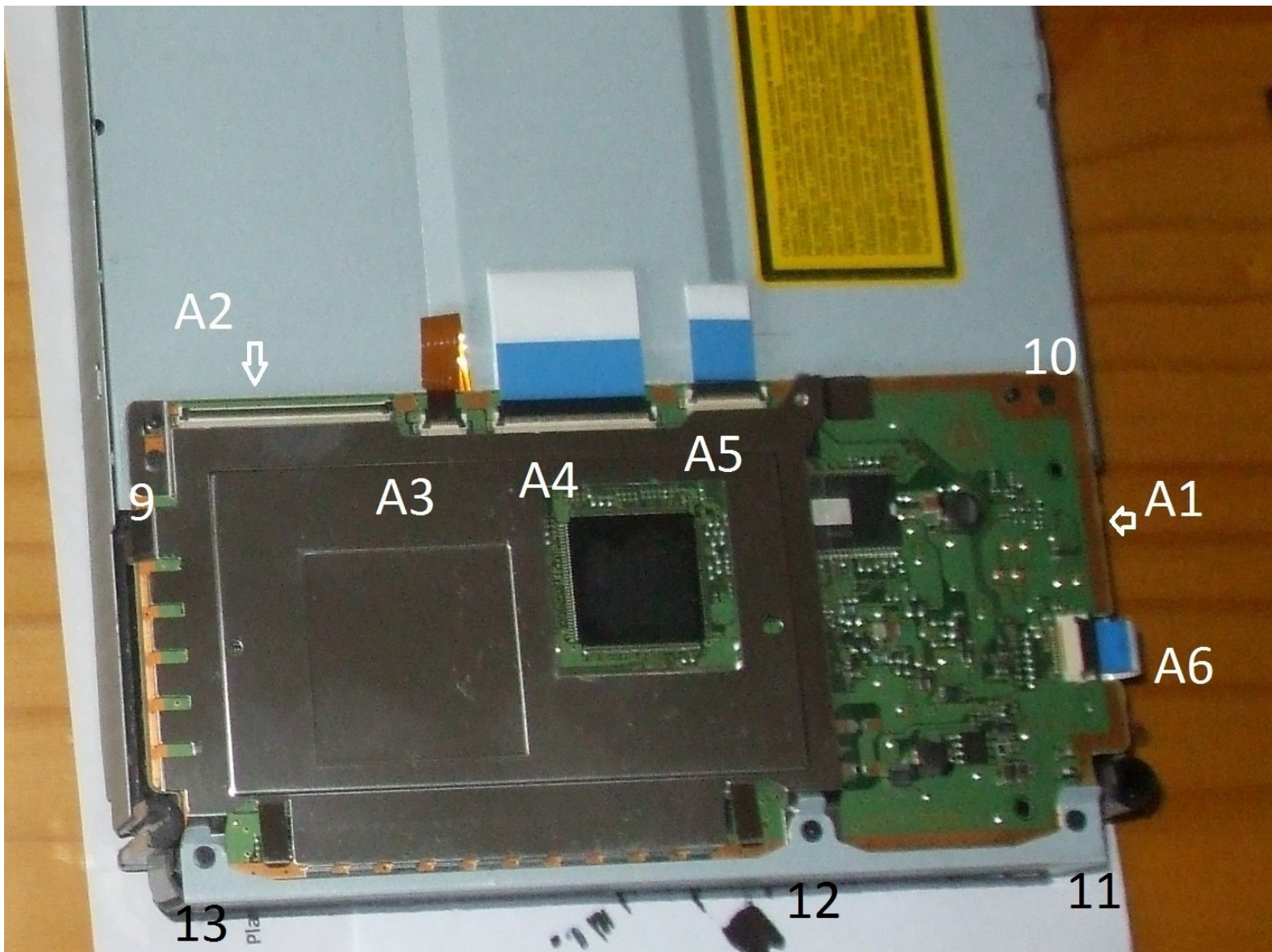




# PlayStation 3 BluRay Laser Replacement

Replace the BluRay Laser inside the PS3 Disc Drive

Written By: David Keating



# INTRODUCTION

Use this guide to replace the laser from your PS3's Blu-Ray drive.



## TOOLS:

- [Spudger](#) (1)
  - [T10 Torx Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
-

## Step 1 — Smart Plate



- Use the tip of a spudger to remove the black rubber screw cover from the side of the PS3.
- ⓘ The screw cover may be underneath a warranty sticker. This sticker will change appearance, and show "VOID" after it has been removed.

## Step 2



- Remove the single 8.5 mm T10 Security Torx screw from the smart plate.




## Step 3



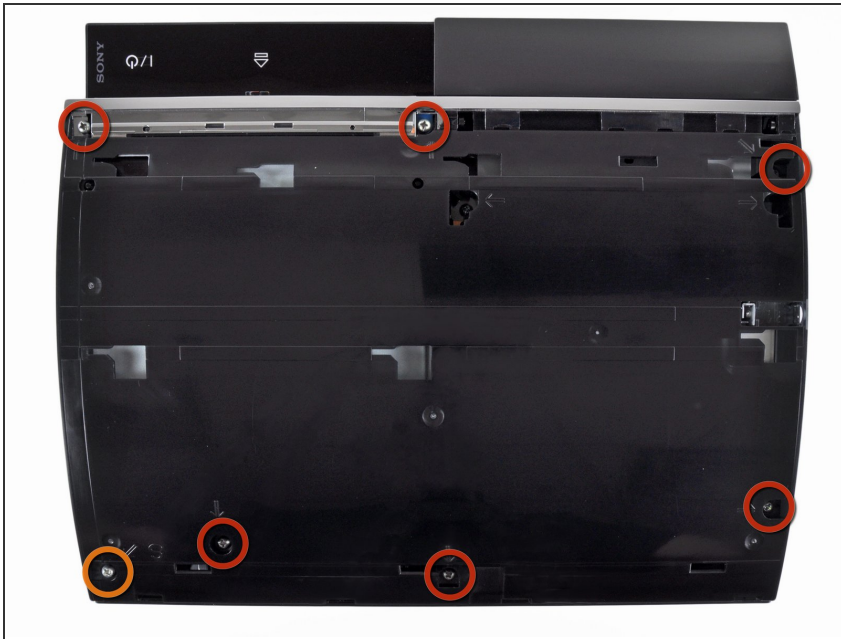
- Pull the smart plate toward the hard drive bay, then lift it off the body of the PS3.

## Step 4



 Be sure to keep track of the small metal bracket loosely held in the top cover, if equipped.

## Step 5 — Top Cover



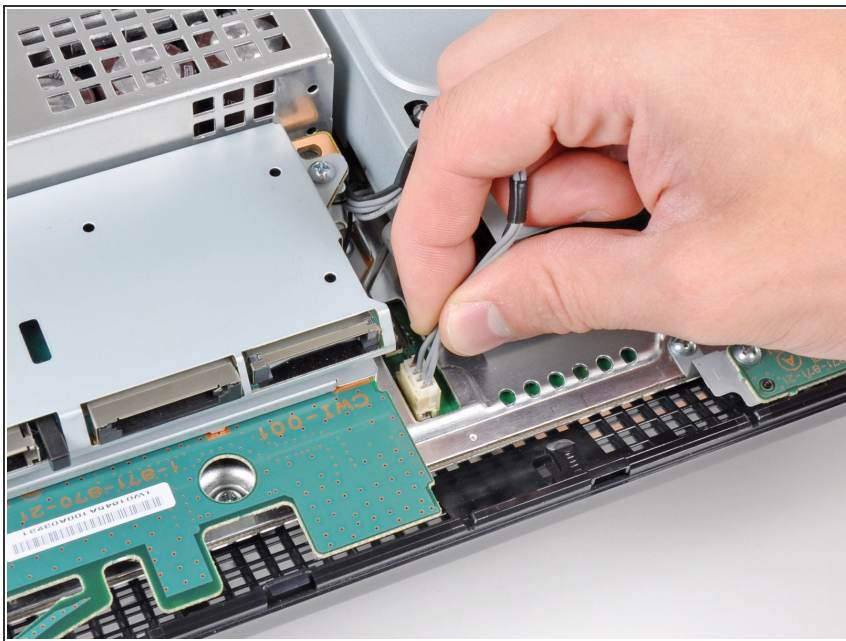
- Remove the following seven screws:
  - Six 52 mm Phillips screws
  - One 30 mm Phillips screw

## Step 6



- Lift the top cover from its rear edge and rotate it toward the front of the PS3.
- Remove the top cover.
- There is a plastic hook located in a hole on the top back right hand side corner. Carefully push the plastic hook a bit front the rear of the machine with a spudger to release the rear right of the casing.

## Step 7 — Blu-ray Disc Drive



- Disconnect the Blu-ray power cable from the motherboard.
- ⓘ Pull the connector straight up and out of its socket.

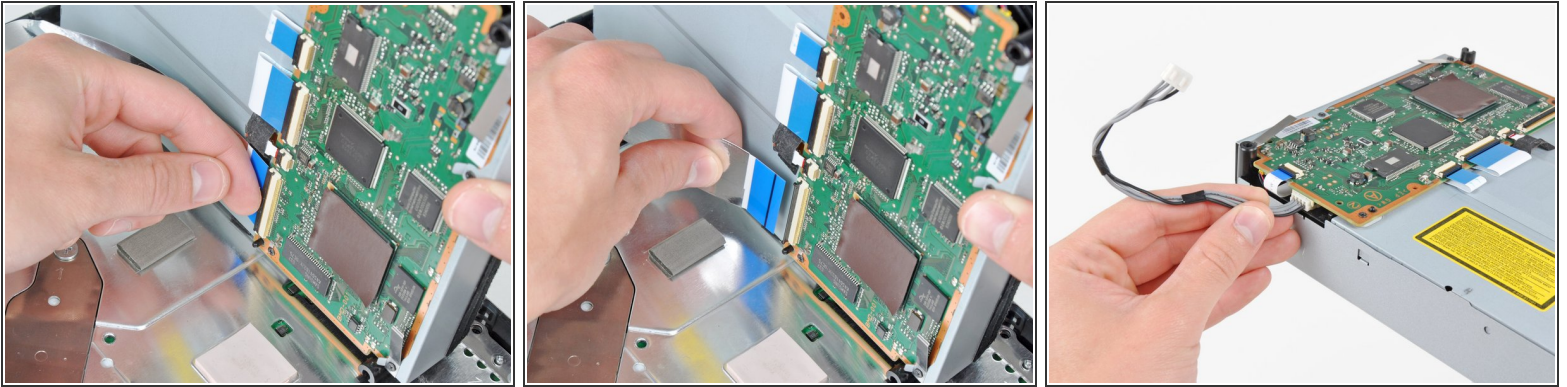
## Step 8




- Lift the Blu-ray drive from the edge nearest the power supply and rotate it away from the chassis enough to access its ribbon cable.




## Step 9



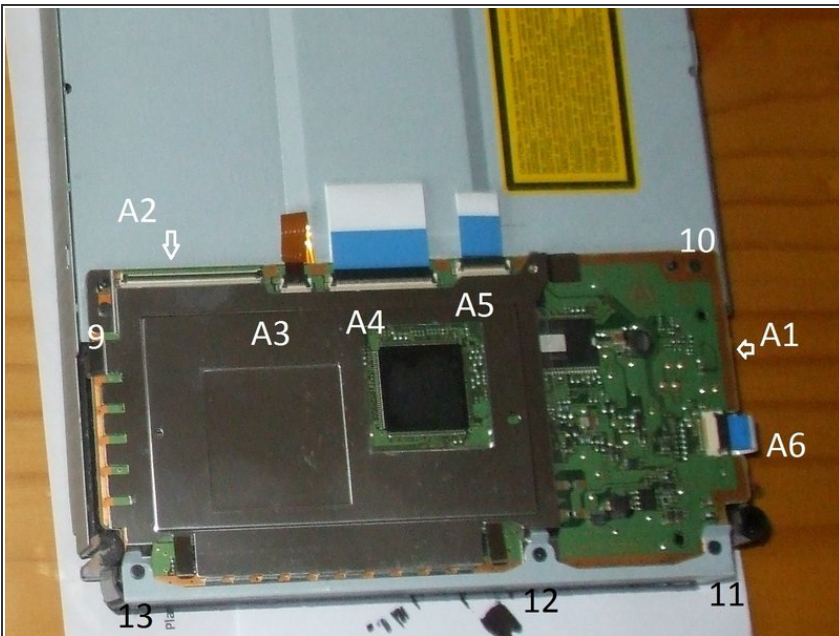
- Use your fingernail to flip up the retaining flap on the Blu-ray ribbon cable socket.

 Be sure you are prying up on the retaining flap, **not** the socket itself.

- Pull the ribbon cable out of its socket.
- Remove the Blu-ray drive from the PS3.

 If replacing the Blu-ray drive, transfer the power cable to your new drive.

## Step 10 — BluRay Laser



- A2 ribbon cable was removed in Step 9 of the previous guide. Now remove ribbon cables A3, A4, A5 and A6 by using your fingernail to flip open the ribbon flaps.
- With a Ph#00 screwdriver remove screws 9, 10, 11, 12 and 13.

- Note that screws 11 & 13 are fastening a stabiliser on some models. These are pictured in the third photo in step 9, and you will need to recall their position for reassembly.

## Step 11



- With extreme caution move the BluRay control board in a flipping motion by moving the left side of the controller upwards levering towards the right. Keep the right side of the controller close to the BluRay drive as the red and black A7 cable is delicate.
- Remove cable A7 which is the cable that links the PS3s disc drive eject detector to the control board.



## Step 12



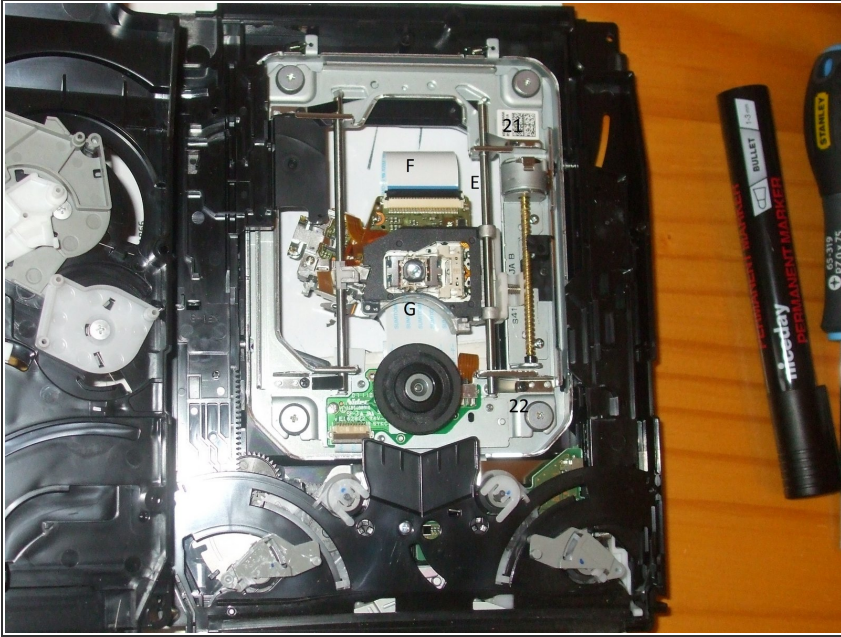
- Remove screws 14 and 15.
- Part C is a stabilizer and grounding contact to help absorb movement while the Blu-ray drive is in use. This may be located in a different area of your drive as decided by the manufacturer. There may also be additional ones. Make sure when reassembling to put this stabiliser back in the same place as it is originally found even if it is not found in exactly the same location as this article. Failure to do so could result in disc scratching.
- Remove the silver coloured drive cover.

## Step 13



- Remove screws 16, 17, 18, 19 and 20.
- Remove magnetic spindle D.
- Remove top of drive being careful again not to damage the red and black cable.

## Step 14



- Remove screws 21 and 22 and the brackets they hold in place.
- Now remove bar E.
- Unclip ribbon F.
- Remove and replace Laser Assembly G with new Laser Assembly.
- Follow this guide in reverse to reassemble.

## Step 15



- The KES-400AAA laser is known to work with the following models: CECHE03, CECHA03, CECHC03, CECHG03, CECHB0 and CECHC03 but more variants accept the KES-400AAA laser assembly. Please contact the seller for more information. Generally older models with 4 usb ports accept the KES-400AAA while the 2 usb models use the KES-410CA laser assembly.

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