



lomega Z100S2 Teardown

This is a teardown of an lomega Z100S2. It shows all locations of screws, tabs, cables, and snap-lock links.

Written By: Nicholas Fabian





TOOLS:

- [T6 Torx Screwdriver](#) (1)
- [Large Needle Nose Pliers](#) (1)
- [Small flathead screwdriver or other prying device](#) (1)

Step 1 — Removing rubber feet



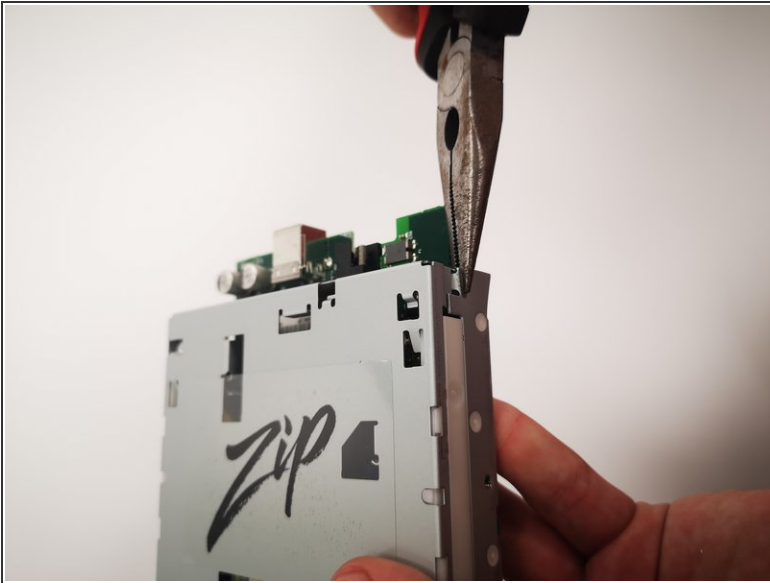
- Rubber pads and feet are removed using your hands and needle nosed pliers.
- The bigger pads are held on with glue and the smaller ones are fastened using a snap in system.

Step 2 — Removal of upper shell (blue)



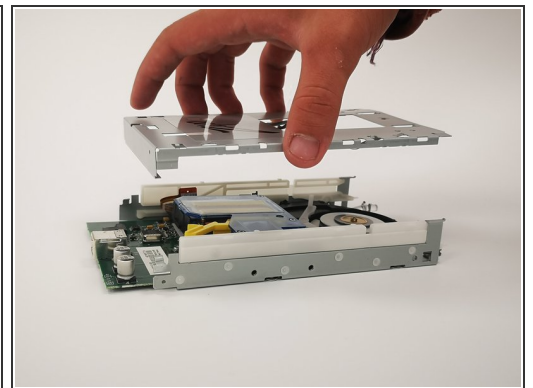
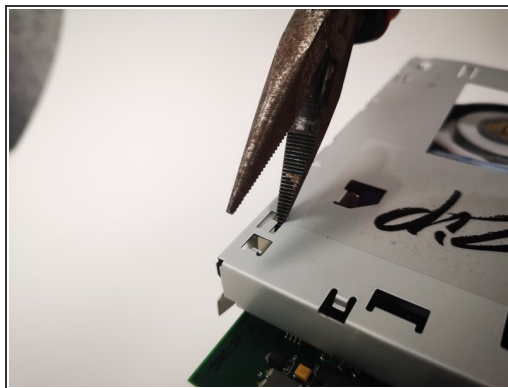
- Use Flat head screw driver to dislodge snap locks located along the seam of the enclosure.
- The snap locks WILL break during disassembly.
- Remove the blue upper section with the joined grey side panels to reveal the internals.
- From here there are five parts: the internal casing, the top and bottom, and each side.

Step 3 — Removal of upper metal cover from internals



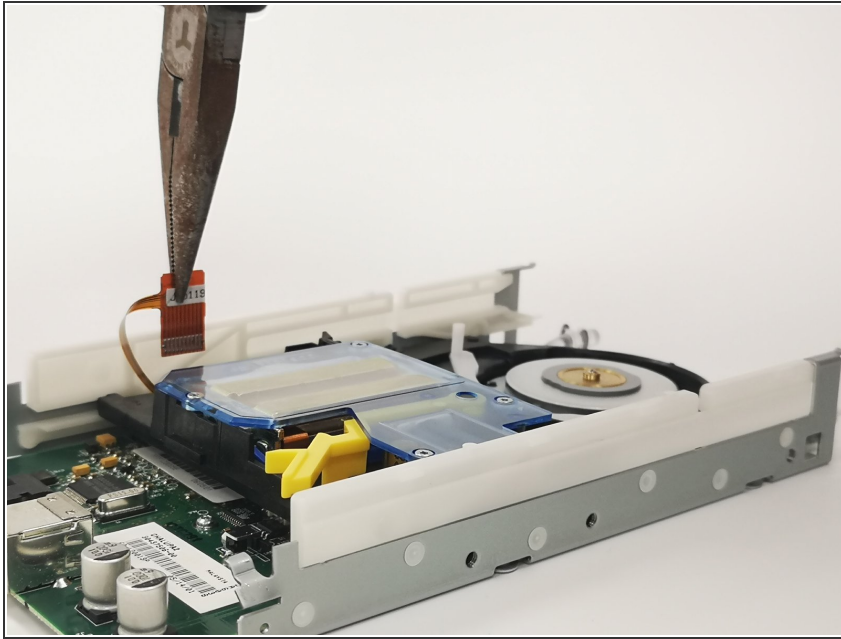
- Twist the two tabs near the connector ports to disengage them.
- Carefully use needle-nose pliers to do this.

Step 4 — Lift metal tabs



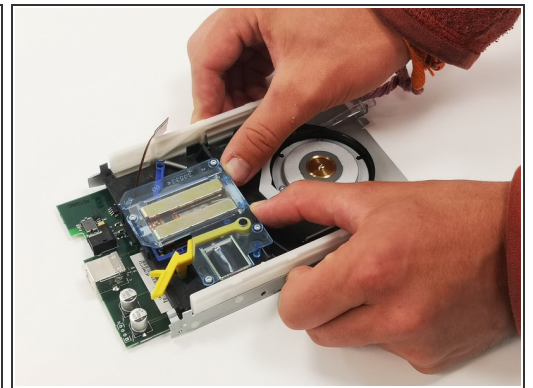
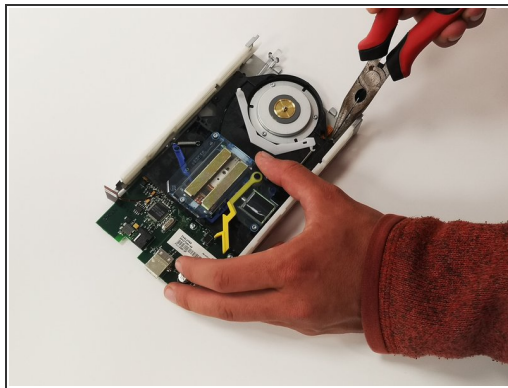
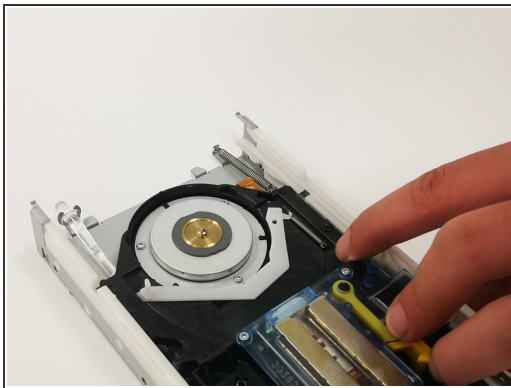
- Lift four tabs located on the top panel and then remove the panel from the rest of the housing. This should reveal the PCB and other mechanical components.
- Use a thin flathead screwdriver or the needle-nose pliers to fit into the small hole.

Step 5 — Remove the serial connection cabel from the pcb



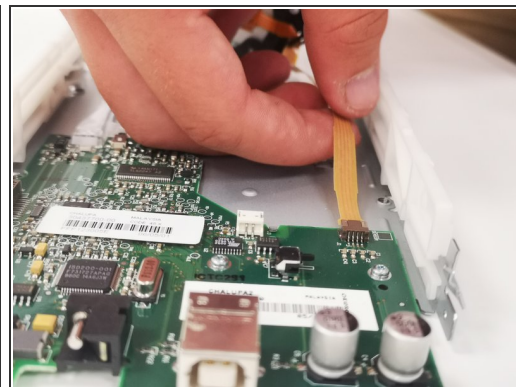
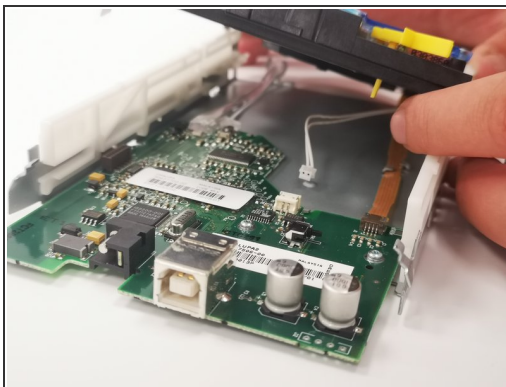
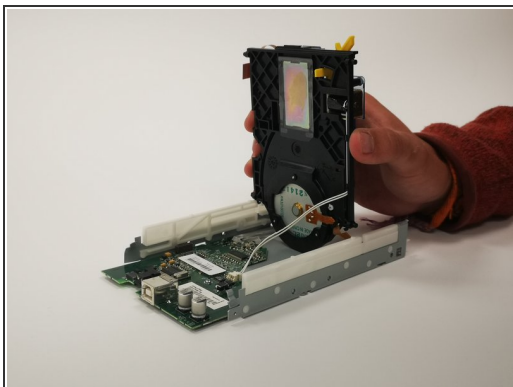
- Use pliers to pull this brown cable from out of the PCB.

Step 6 — Removal of disk reader



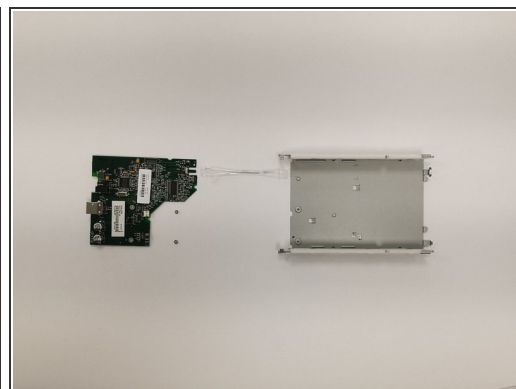
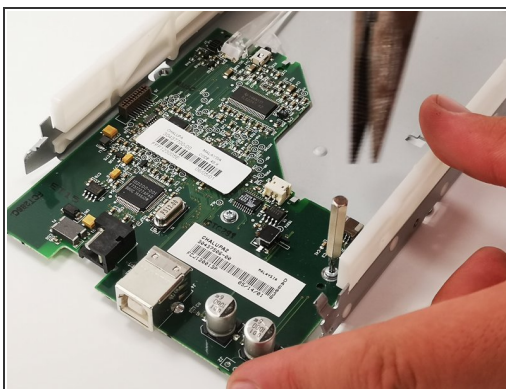
- Remove the small spring from the front of the disk reader then move the reader back until you hear a click.
- After this, raise the black component straight up and out of the metal chassis.

Step 7 — Remove the two white connecting wires from the pcb



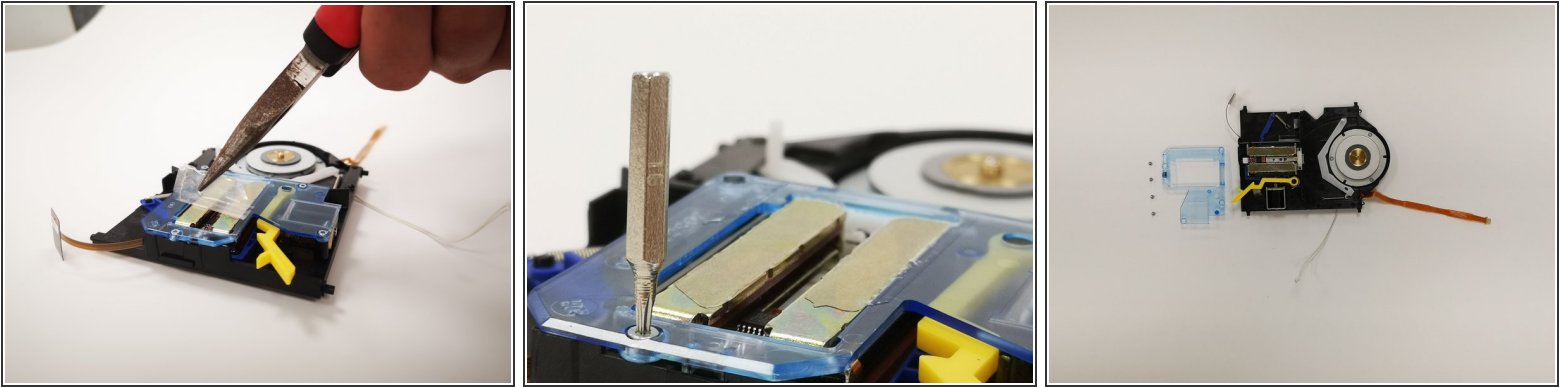
- Use careful pressure to remove both cables from the PCB.

Step 8 — Remove the PCB from the lower metal panel



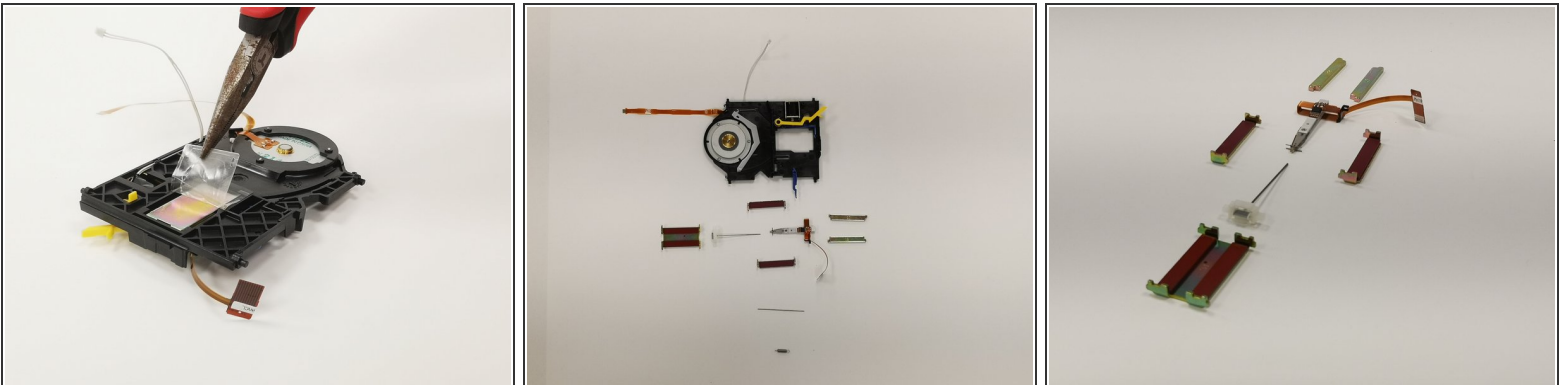
- Using a T6 Torx driver, remove the two screws from the PCB.

Step 9 — Removal of blue cover from disk reader unit



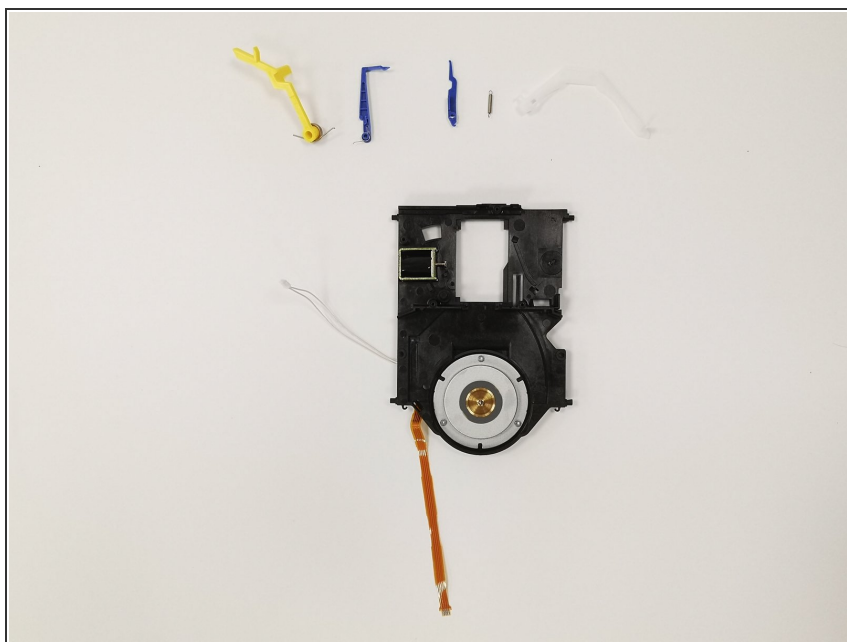
- Remove the plastic film on the blue cover.
- Remove the 4 screws holding this down with the T6 driver from before.

Step 10 — Removal of reader head



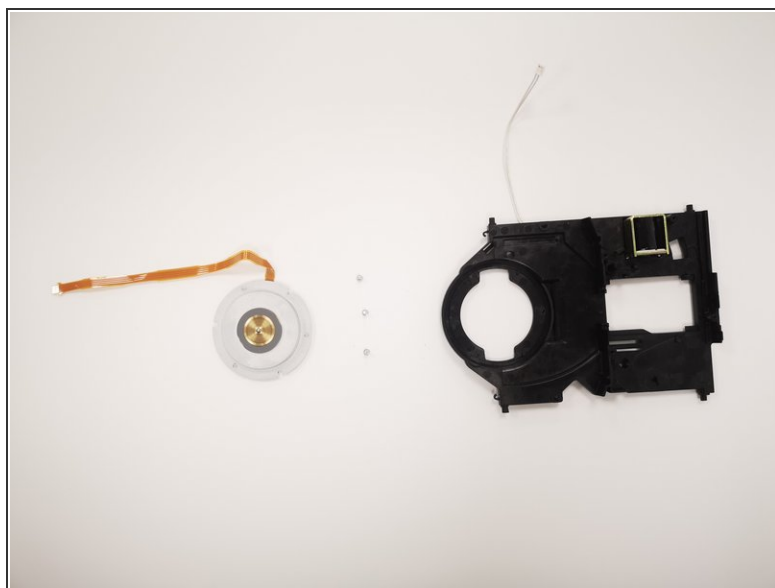
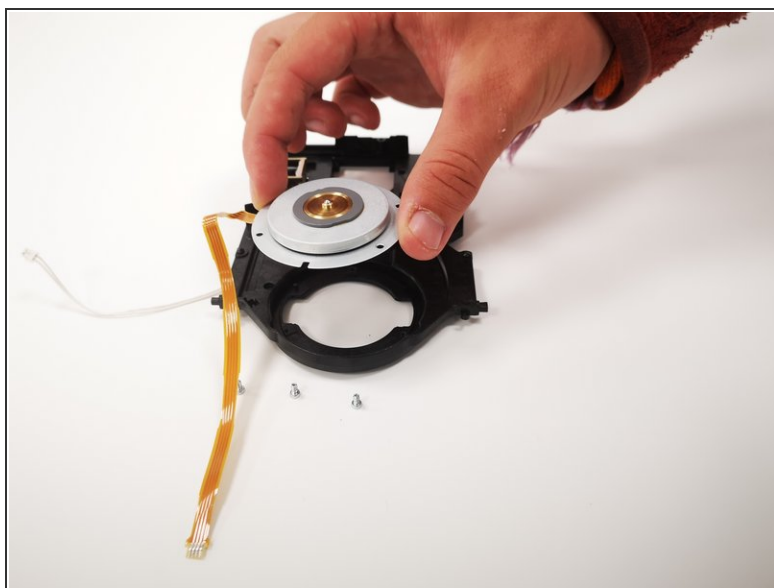
- Remove the plastic film from the bottom of the disk reader and then remove the metal magnetic sub-assembly.
- This is able to be dismantled by hand.

Step 11 — Removal of smaller components



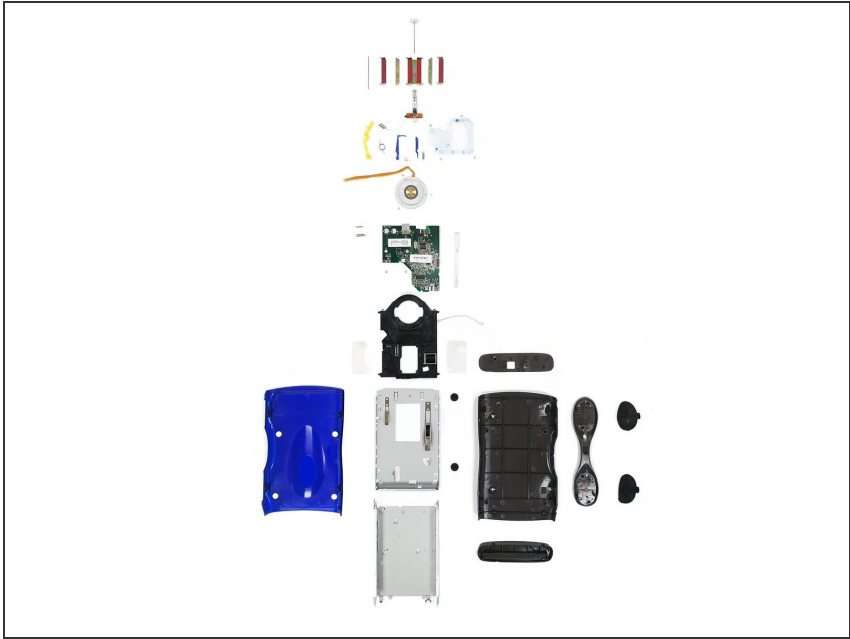
- Carefully dislodge the springs and tabs on the smaller yellow, blue and white components.

Step 12 — Removal of NIDEK spindle motor



- Using the T6 driver, remove the three screws surrounding the zip disk reader.

Step 13 — Finale



- Once all the components have been disconnected, you should end up with all these pieces.
- Note: The Voice Coil Actuator (VCA) has been disassembled in this image. Once removing the cover, the VCA will fall apart if not held together.