



Sony PS-LX300USB Gears Replacement

This is a replacement for the plastic gears underneath the metal platter

Written By: Christopher Slaughter



INTRODUCTION

Underneath the metal platter, there are 2 plastic gears. These gears are used to move the tone arm while the turntable is on. If the tonearm is not moving properly during usage, these gear may be the problem. This guide shows how to replace them



TOOLS:

- [Portable Soldering Iron](#) (1)
- [Solder](#) (1)
- [Phillips #2 Screwdriver](#) (1)



PARTS:

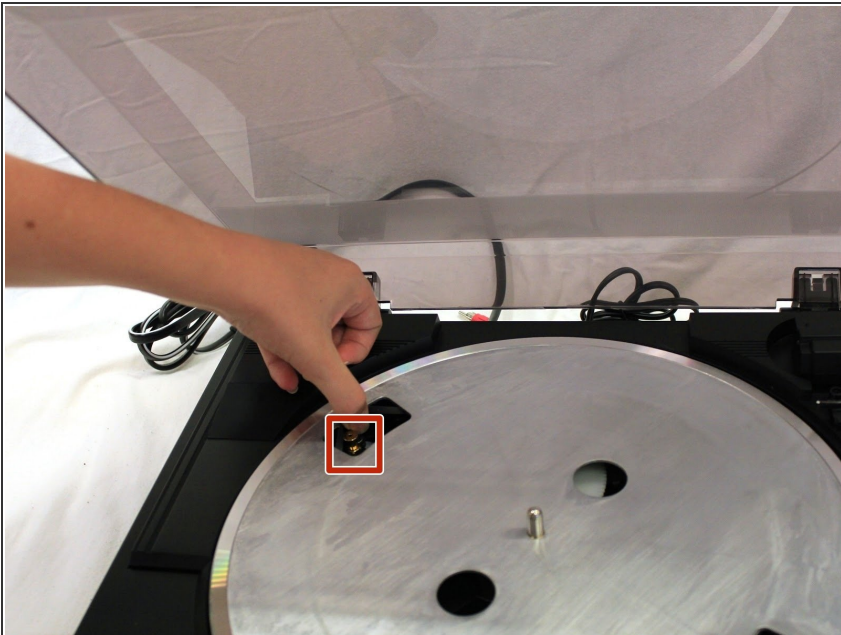
- [Sony PS-LX300USB replacement gears](#) (1)

Step 1 — Drive Belt



- Lift the rubber mat, and put it to the side. It should be easy to remove, because it simply rests on a metal platter without anything securing it down.

Step 2



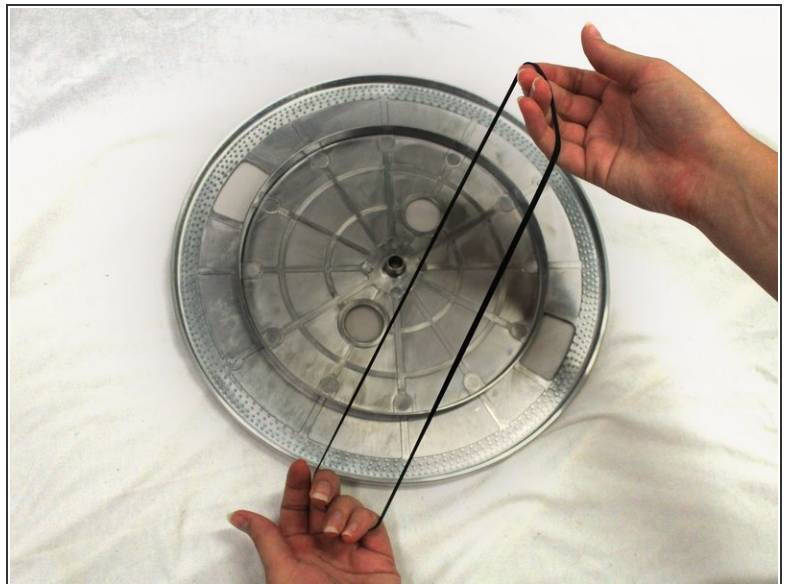
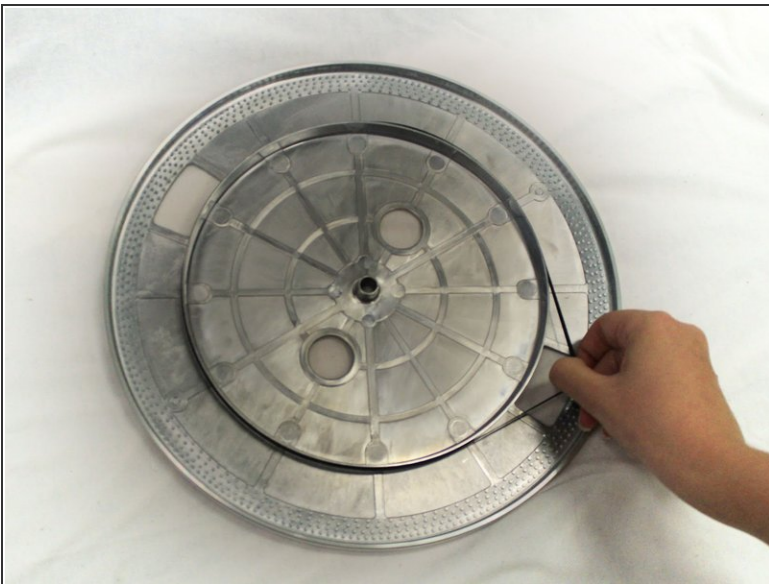
- Turn the platter so that the motor pulley can be seen through one of the two outer holes in the platter.
- If the drive belt is hooked around the motor pulley, unhook it.
- ★ When reassembling to device, don't forget to hook the new drive belt to the motor pulley.

Step 3



- Grasping the platter by its two inner holes, lift it upwards.
- ⓘ Removing the platter may take a small amount of force. If the pulley is unhooked and the tone arm is safely to the side, don't fear using a small amount of force in lifting the platter.
- ⚠ If you haven't yet unhooked the drive belt, the motor pulley and the belt could sustain damage.

Step 4



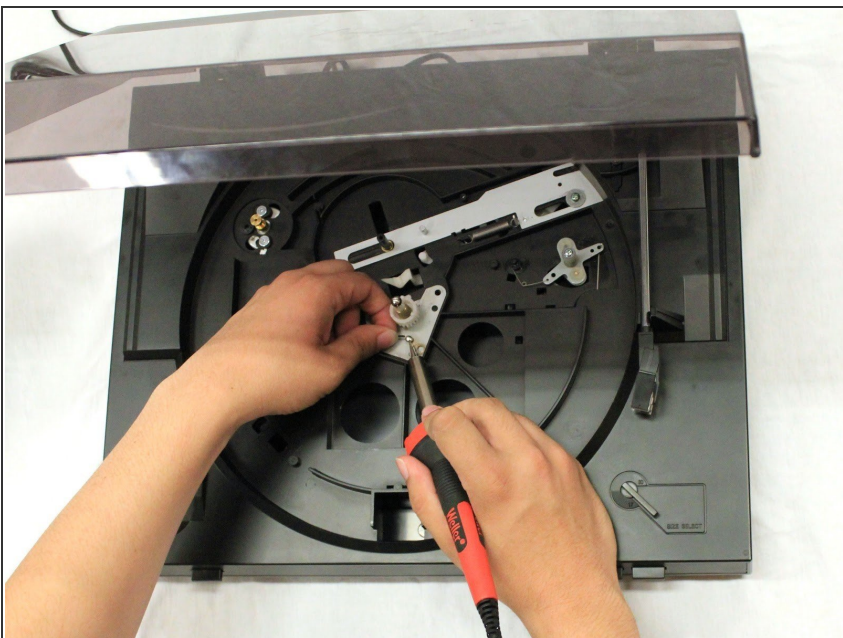
- Peel the drive belt from the inner ridge of the metal platter and put it to the side.
- ⓘ Sometimes, the drive belt can fall off the platter during deconstruction. If this is the case, simply take it out of the device wherever it is.

Step 5 — Gears



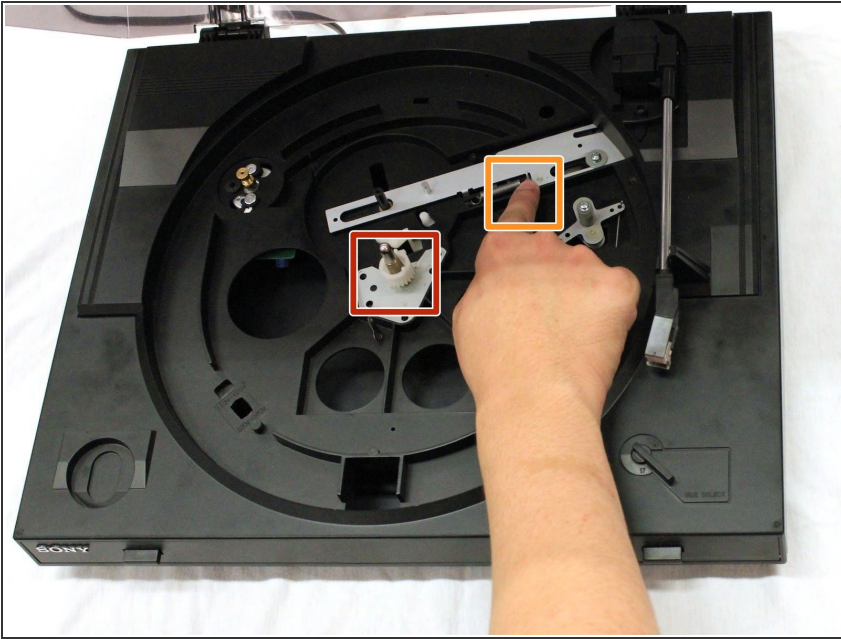
- Use screwdriver to remove the four Phillips #2 screws holding in the gears.
- Remove the large gear.

Step 6



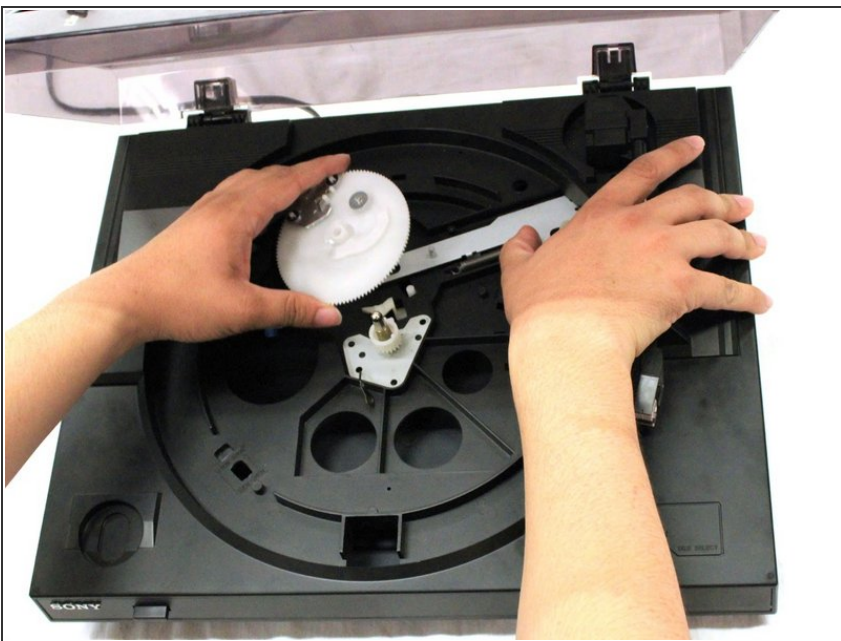
- Desolder the ground wire from its base.
- Remove the small gear and its base.

Step 7



- Place the replacement small gear in its position.
- Push and hold the metal knob close to the spring.

Step 8



- While holding the knob back, place the large gear inside with the open part of the gear facing away from the small gear.
- Release the knob and spin the large gear counterclockwise.

To reassemble your device, follow solder the wire back, screw the gears back in, and step one in reverse order.

