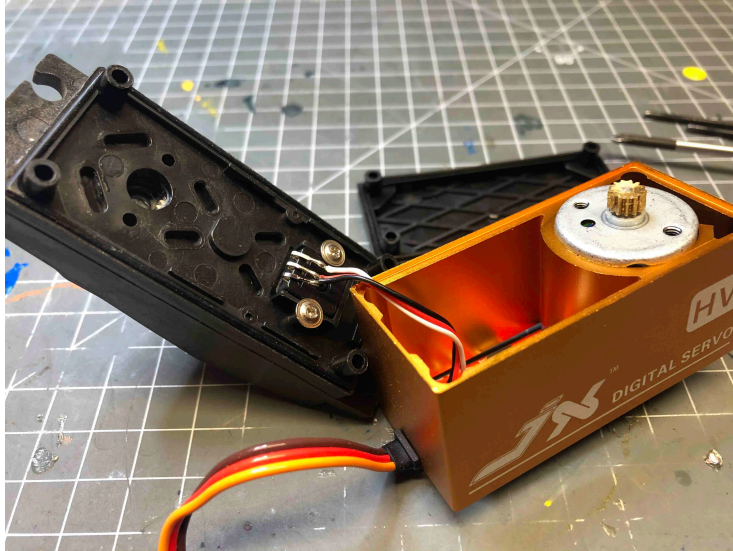


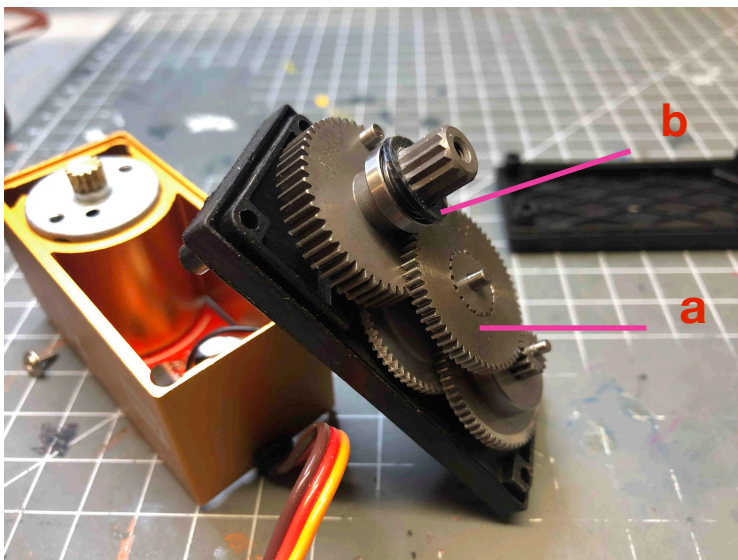
How To - Modify JX-Servo HV2060MG

This „How-To“ describes how to modify a JX-Servo for continues rotation and extracting the potentiometer.



1. Open the servo.

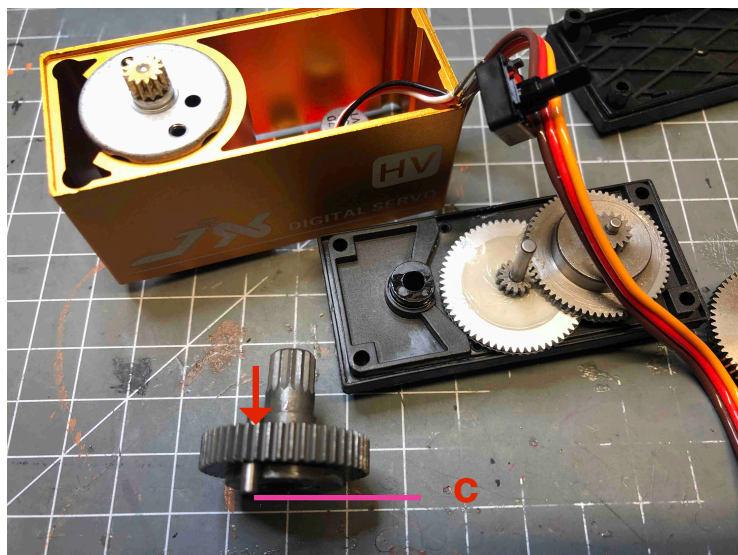
There are four screws at the bottom. The potentiometer is tightened with 2 screws to the gear box. Unscrew it.



2. Open the gear box

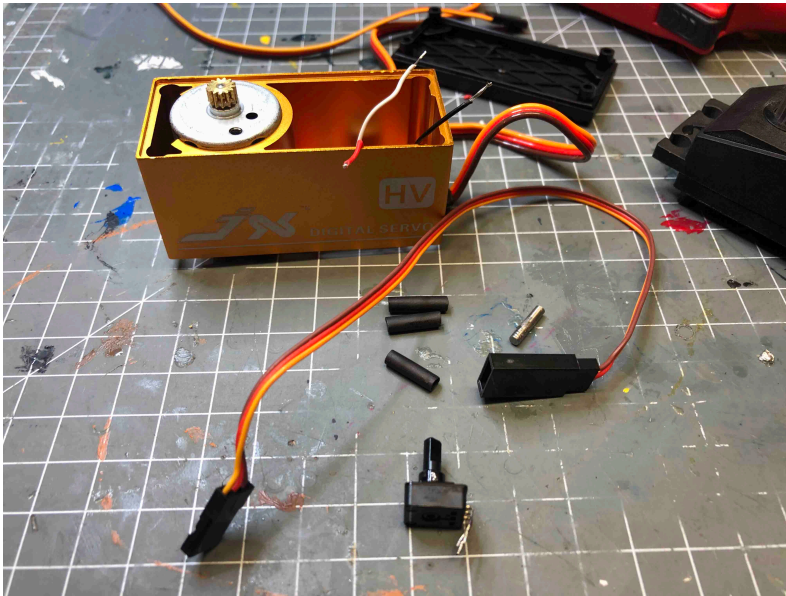
There are two screws on top of the box.

Pull out the gear in the middle (a). Pull out the bearing and the gear with the end stop (b). The potentiometer should fall off now.



3. Potentiometer and end stop

Unsolder the potentiometer. Mark where the black wire is connected to the pot. Pull off the end stop (c) with a pliers in the indicated direction. You need a bit of strength.



4. Solder the potentiometer.

I use for the the connection of the potentiometer a servo extension cable with male and female connector. Cut it in two halves. Solder one half to the pot, the other to the remaining cables of the servo board. The brown cable to the connector of the pod where the black cable was. Red to red, yellow to white... Use shrinkable tubes for the connections.

Now you can reconnect the pot with the servo. Assemble the gearbox and close the servo. I noticed that the gears need some extra lube. Maybe you have to widen the cable outlet a bit.



5. Ready

Et Voila. The servo is ready. Using a servo extension has the benefit, that the servo can be replaced without removing the potentiometer et vice versa. In addition the servo can be connect straight or crossed.