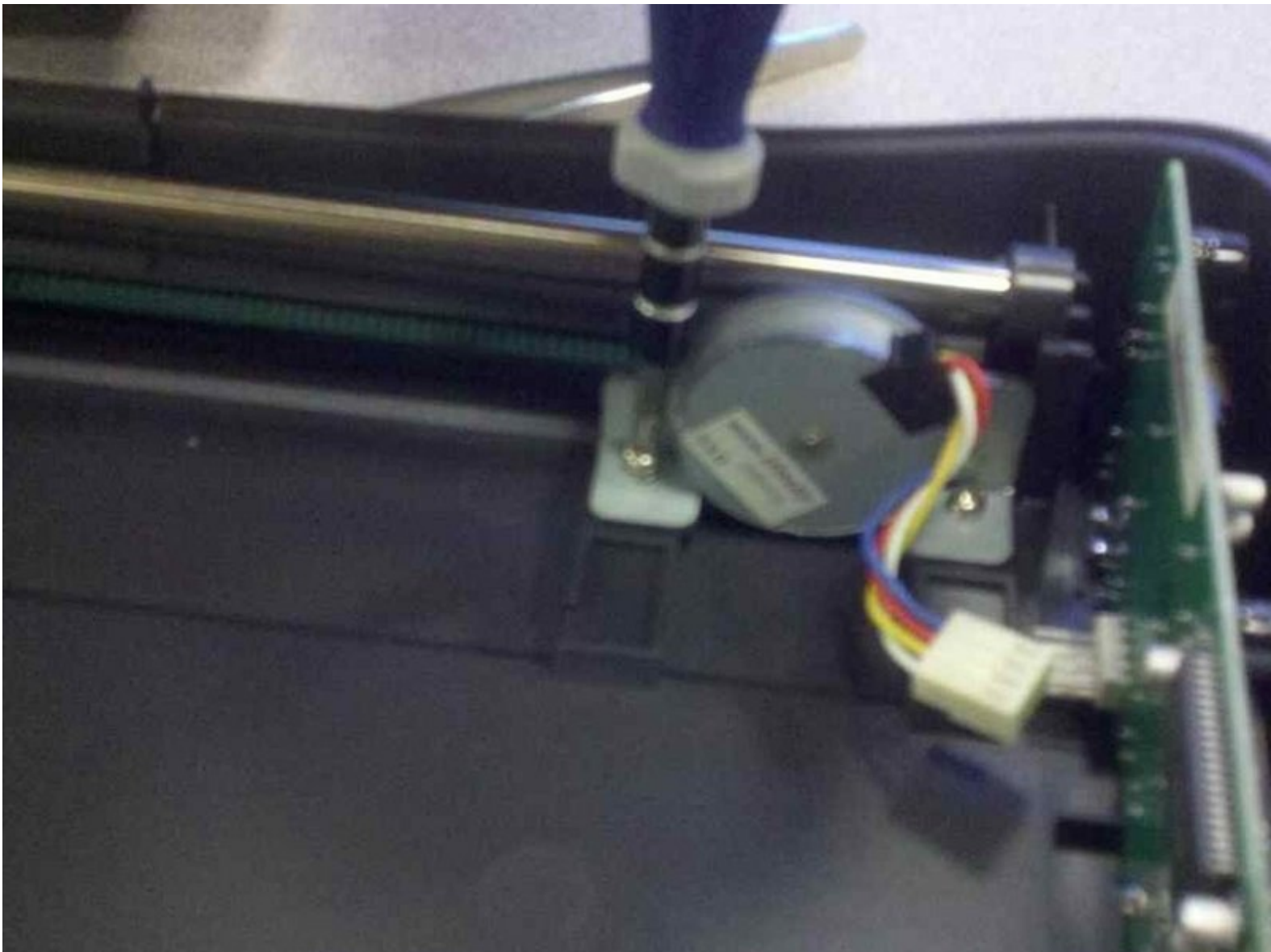




# Microtek ScanMaker 5900 Stepper Motor Replacement

The purpose of this guide is to get the Y positioning slider to move. This is done so that the scanner's lens captures an interval of a surface instead of a point.

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# INTRODUCTION

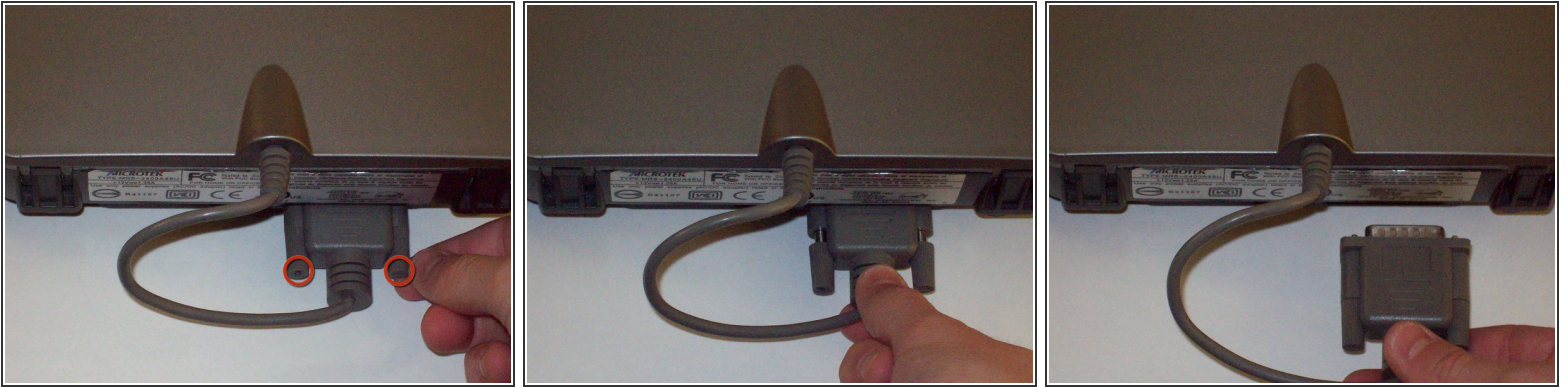
This guide will show you how to replace the scanners stepper motor.



## TOOLS:

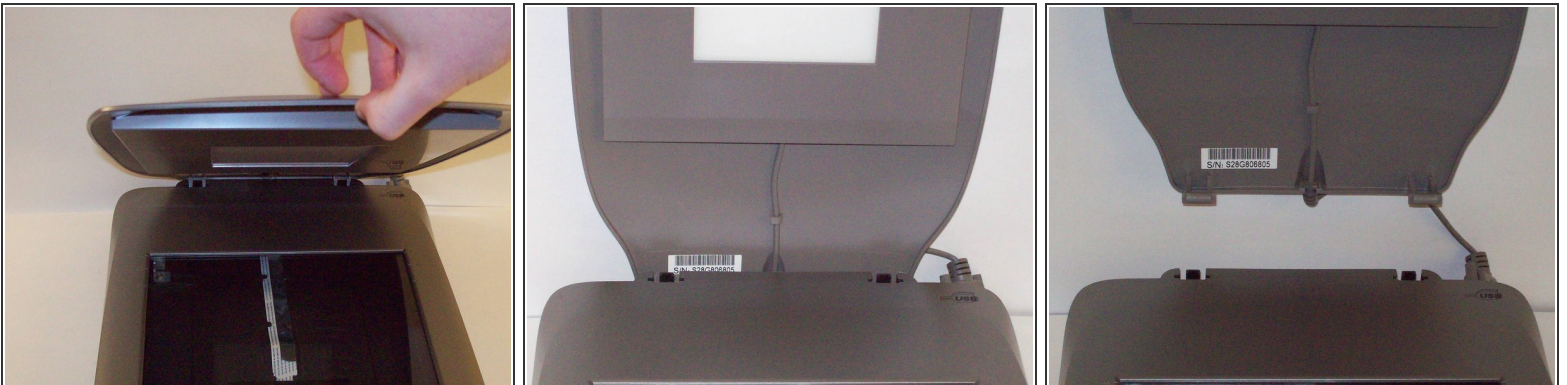
- [Phillips #2 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Remove serial port connection



- Loosen the screws on the serial port by turning them counter clockwise by hand.
- After loosening the screws, pull the serial port out.

## Step 2 — Remove Lid



- Lift lid to its vertical position.
- Pull lid straight up to remove it from the scanner.

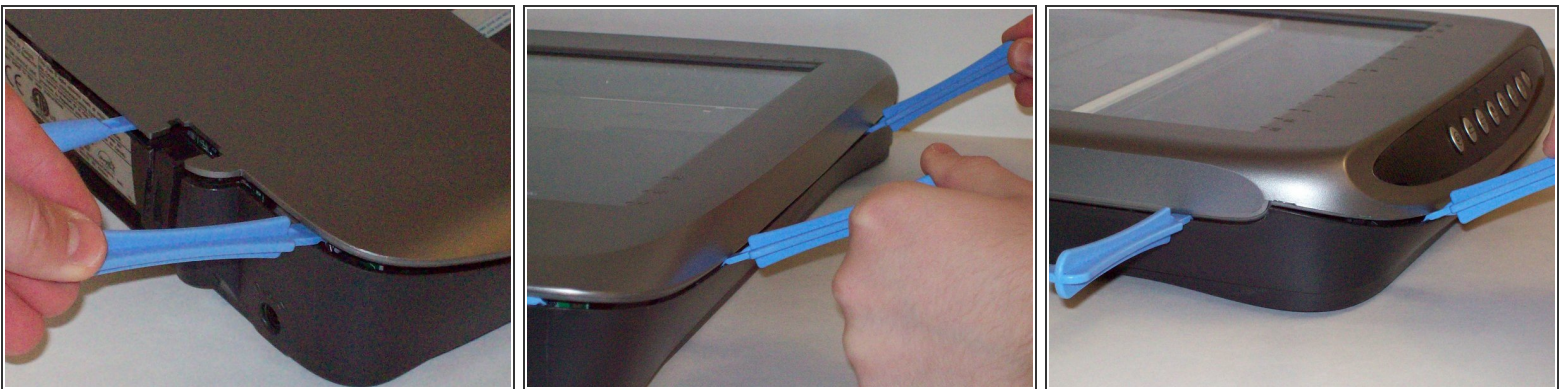


### Step 3 — Detach plastic latches



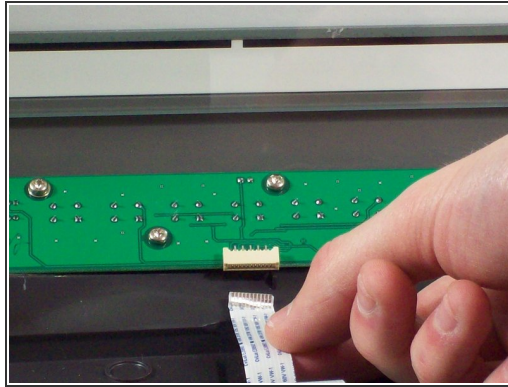
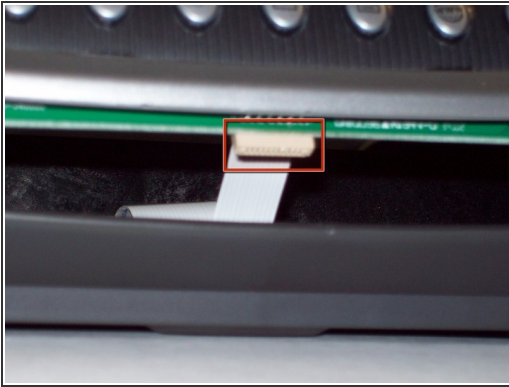
- Push the plastic opening tools into the crack between the top and the bottom of the chassis.


### Step 4 — Continue latch detachment



- After placing one plastic opening tool into the slit, slide other plastic opening tools along the slit to detach the top from the bottom of the chassis.
- Go all the way along the chassis until you can lift the upper lid.

## Step 5 — Fully remove the upper lid

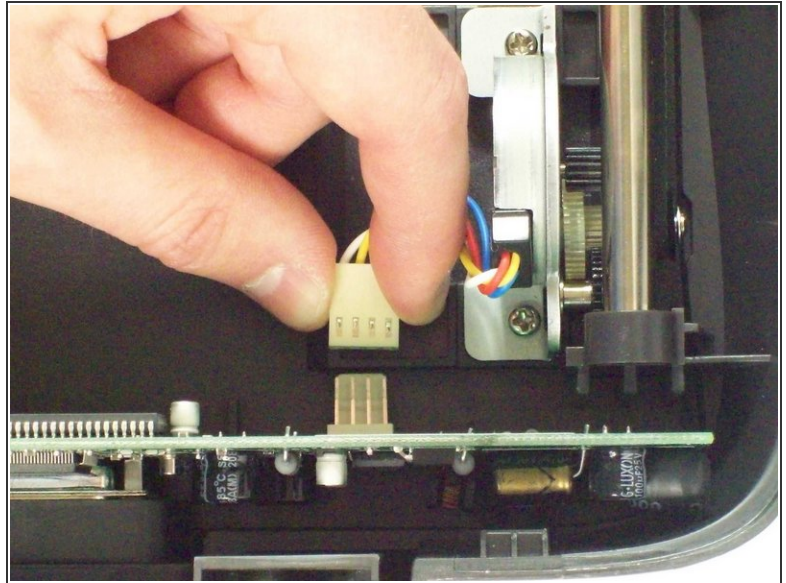
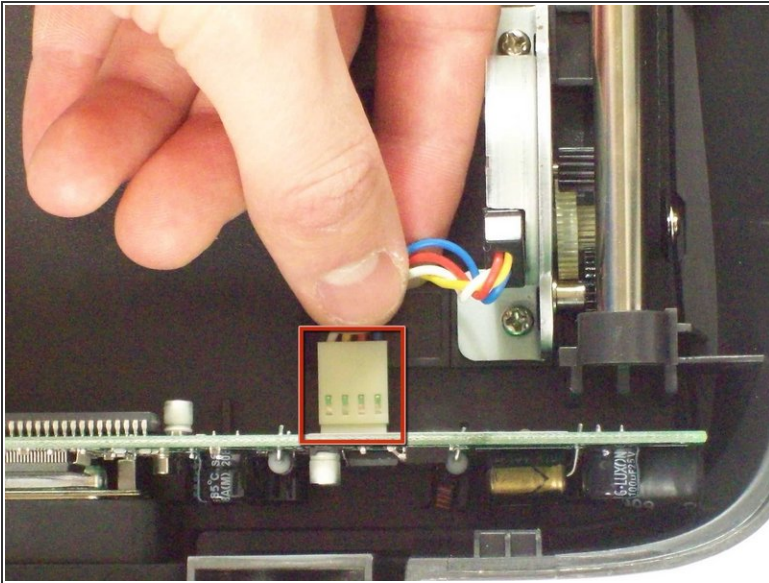


 Do not fully remove the lid until you remove the ribbon cable attached to the front of the upper lid.

- Do this by grabbing the upper lid from the sides and rotating it ninety degrees so it is perpendicular to the bottom lid.
- Grab the ribbon cable and gently pull it out of its slot with your fingers.
- The upper lid can now safely be removed from the bottom lid.

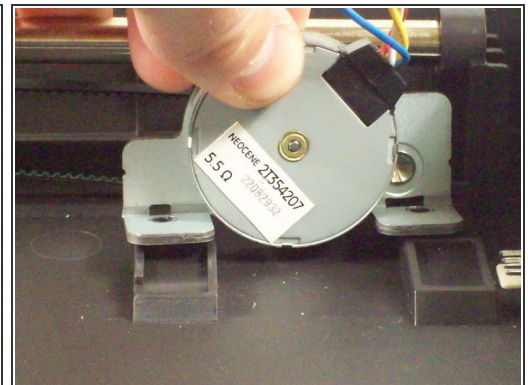
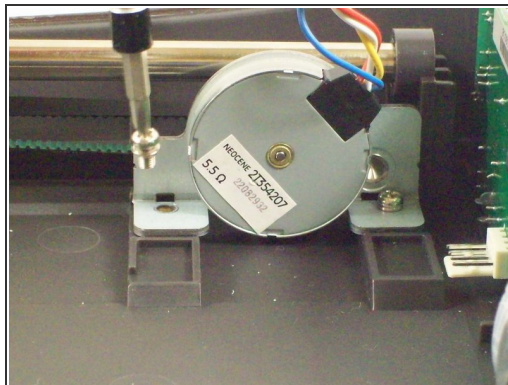
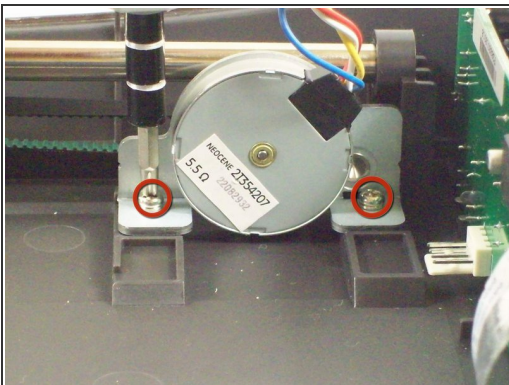


## Step 6 — Stepper Motor



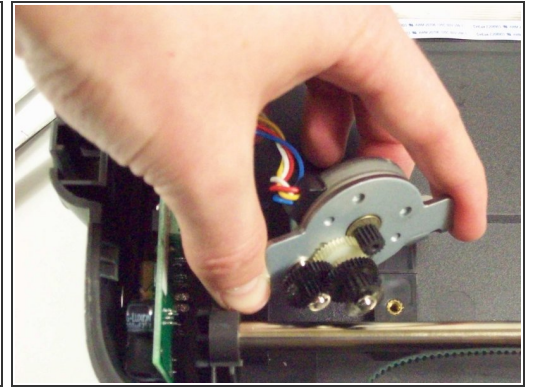
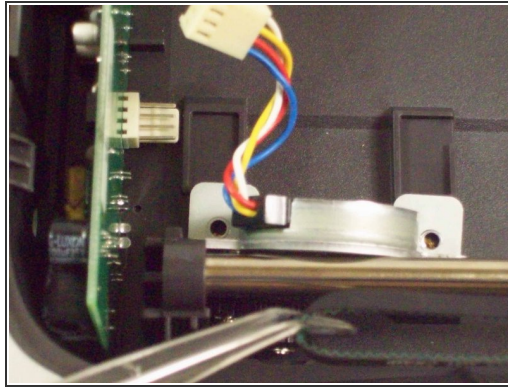
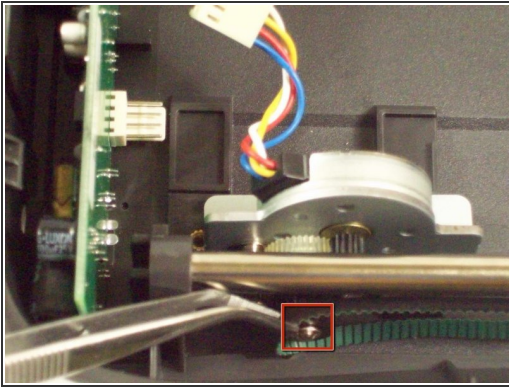
- Locate the stepper motor. With the front of the scanner facing you, the motor is located at the top left.
- Disconnect the white connector from the vertical standing circuit board.

## Step 7



- Using a #2 Philips Screwdriver, unscrew the two 7.7mm screws holding the stepper motor in place.
- The stepper motor will become loose, but not completely free.

## Step 8



- Using tweezers gently remove the tread from the black gear on the stepper motor.
- The stepper motor will become completely free.

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