

Tools Required.

1) Torx Screwdriver T10

2) Toothpicks

3) Approximately 7" long, wedge shaped non-magnetic stick (shown below)

4) Non-magnetic supports. Books or solid blocks of wood would do fine.

Position the driver on the support blocks.



Unscrew 4 torx screws, holding the waveguide.

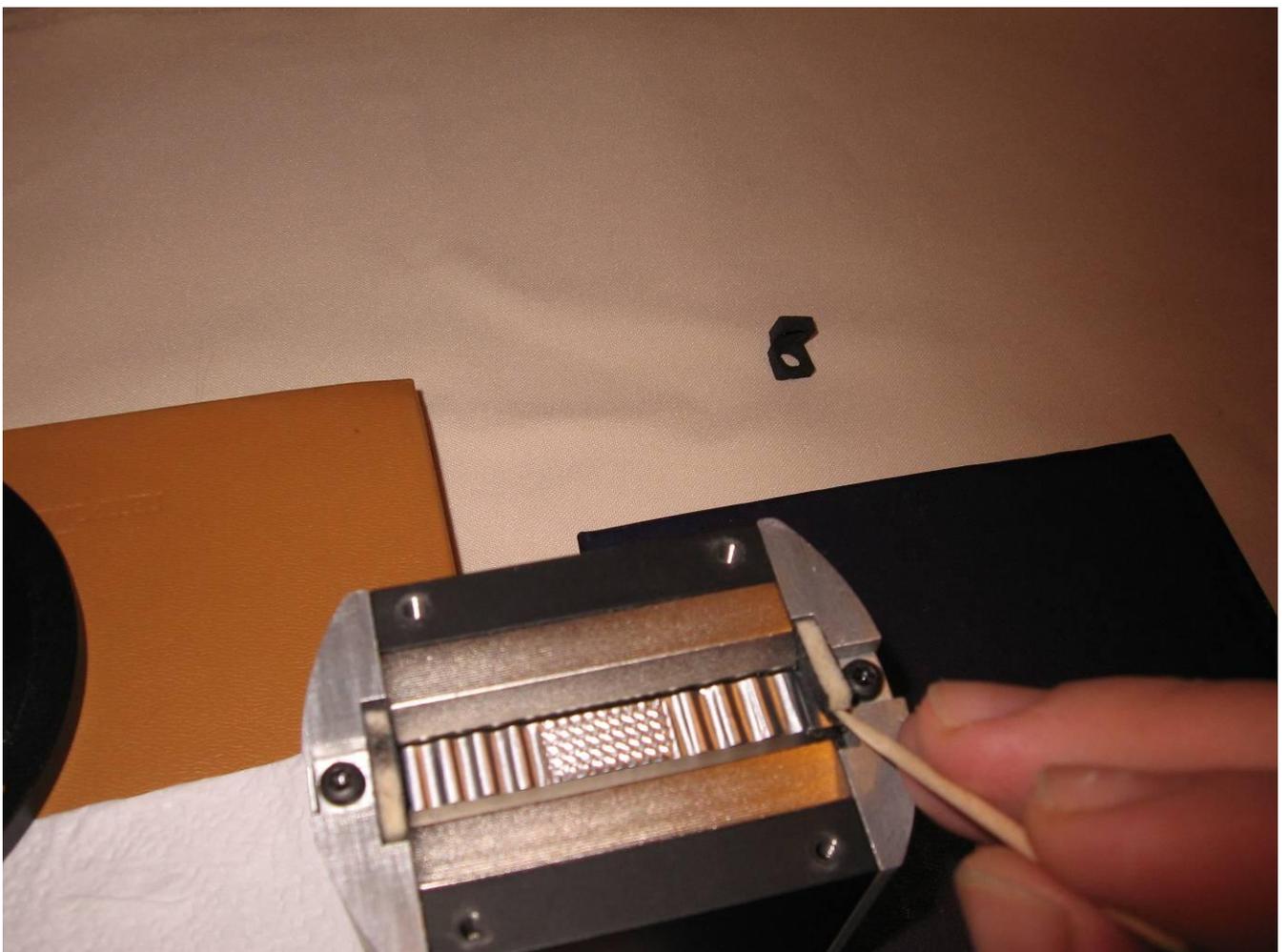


Do not remove Waveguide just yet! Because these are high strength self-tapping screws, small amounts of metal dust may remain in the thread. Remove the screws, one at a time and only after, lift the waveguide and move it to the side.

Remove the gasket next.
Use the toothpicks or any non-magnetic object to remove rubber dampeners.



Remove felt dampeners next.



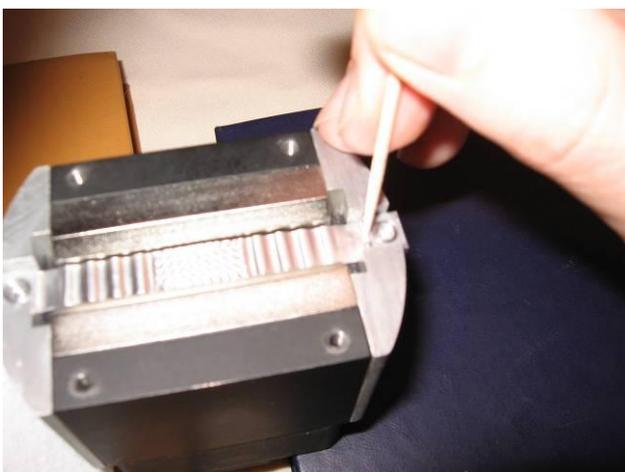
It is best to reposition felt and rubber dampener in the same places and not switch the locations.



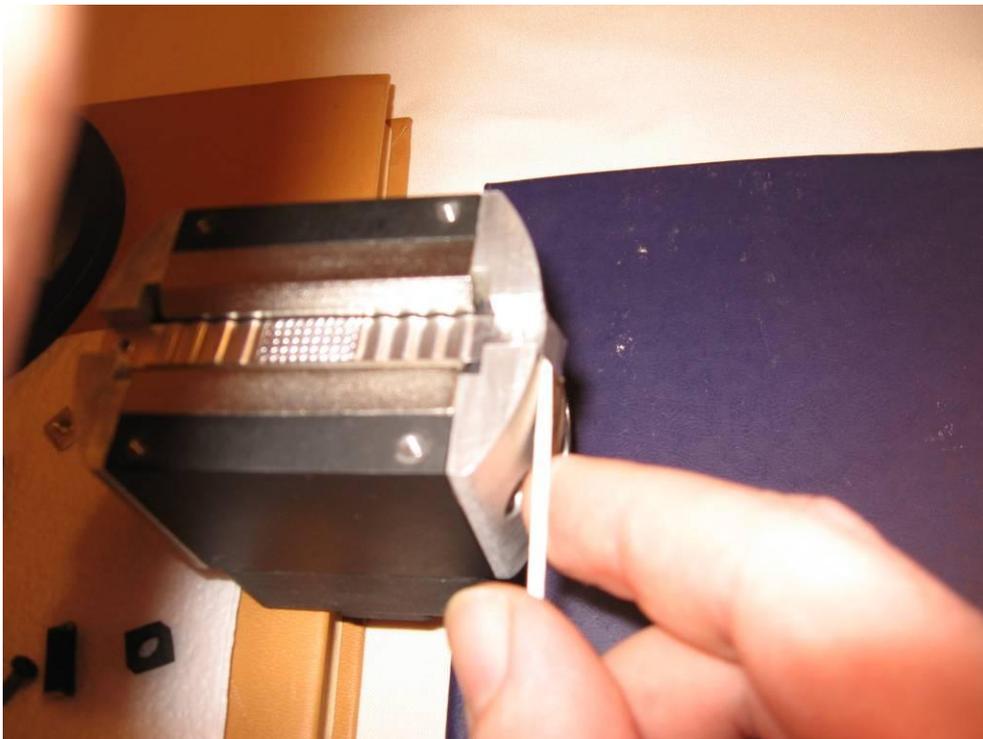
The next step is rather important. Cover the face of the driver with non-magnetic material or just your hand! The neodymium magnets are extremely strong and if the gap is not covered, screw will catapult inside faster than you can think. Remove 8mm screws next.



Remove the screws carefully. They may or may not come out together with rectangular washers. If the washes remained in place, please remove them, using tooth-peak.



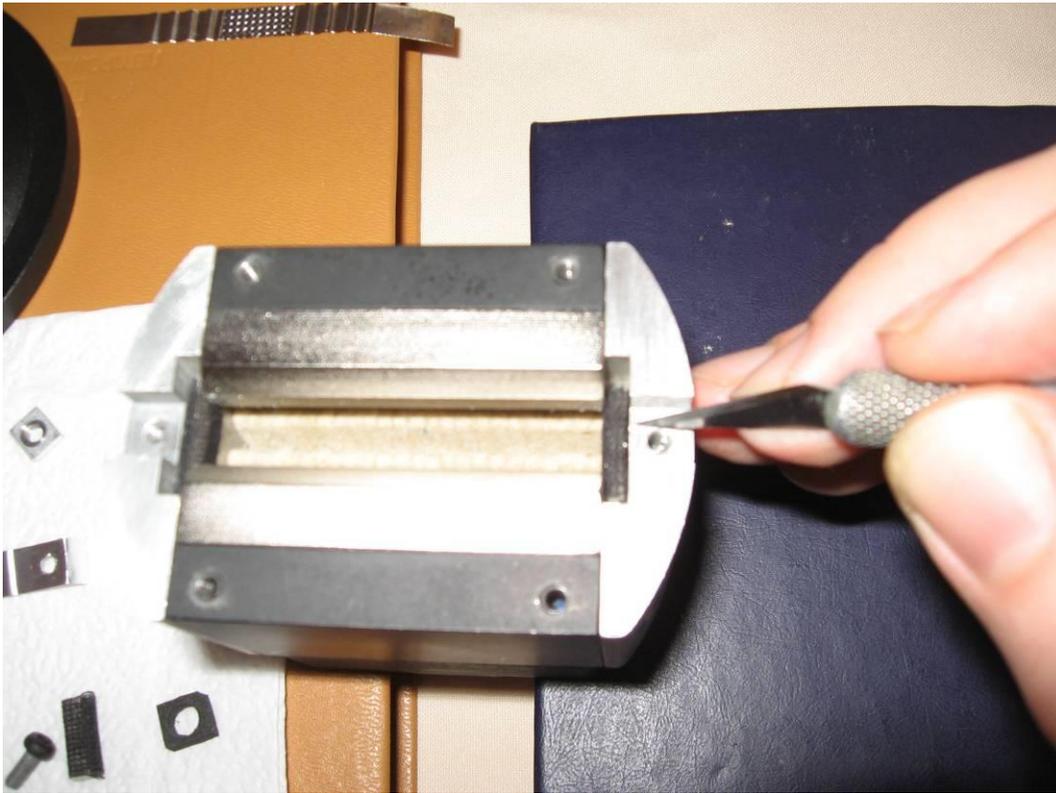
Using the toothpicks, remove the damaged foil. Clean the spots where the foil was attached.



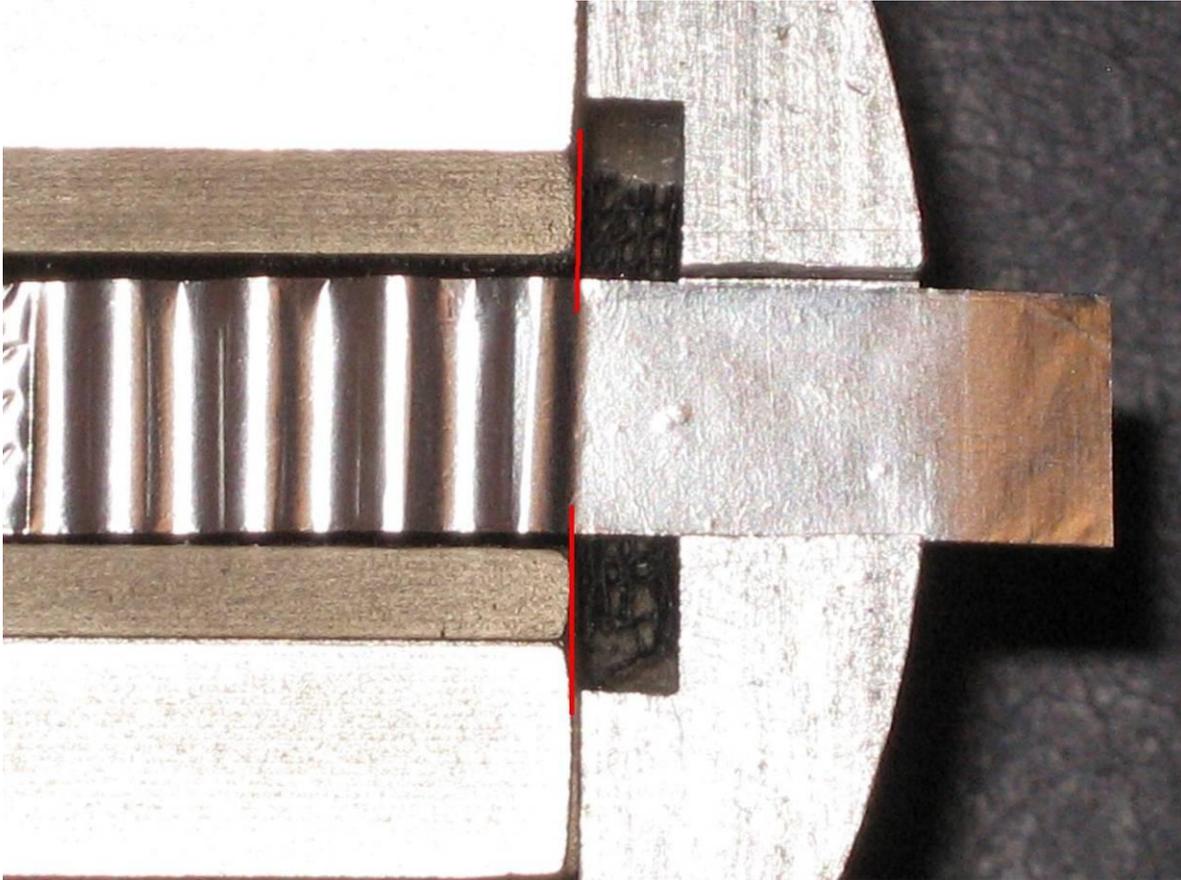
Now, we are ready to install new foil. Do not remove lower felt dampeners. They can remain in place for the installation. IF the lower felt dampeners were move, reposition them so they stick out by 1/64".



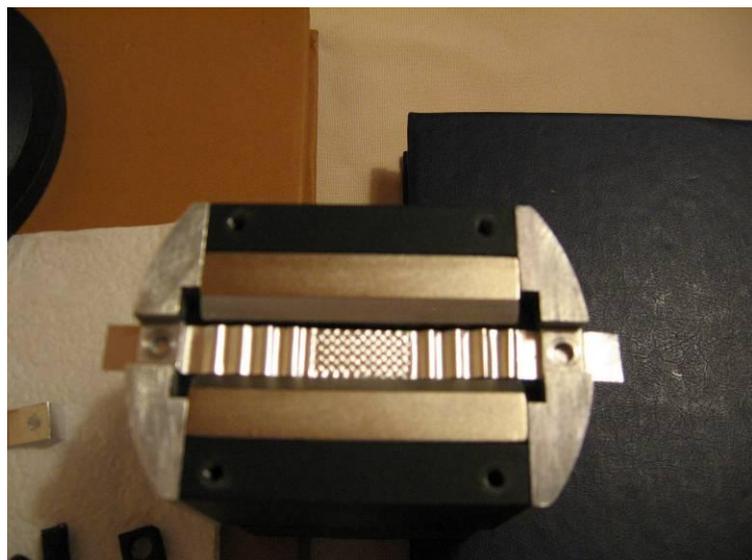
Make a few scratches at the location of the foil contact. This will ensure proper electrical contact.



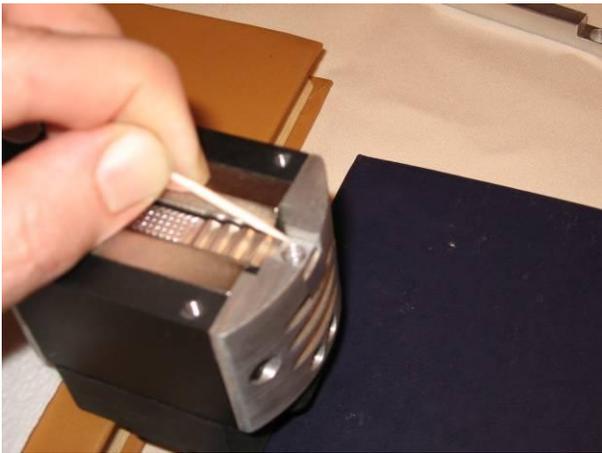
Place the foil in the gap. As show on the picture, the accordion needs to be aligned with the magnet. This will ensure the proper stretch of the foil element.



After the foil is stretched (one side at a time), position rectangular washers in over the foil ends as show on the picture. One side of the washer is machined, flat. It should face down for the better mechanical and electrical connection. The side with the screw-head mark, should face up.



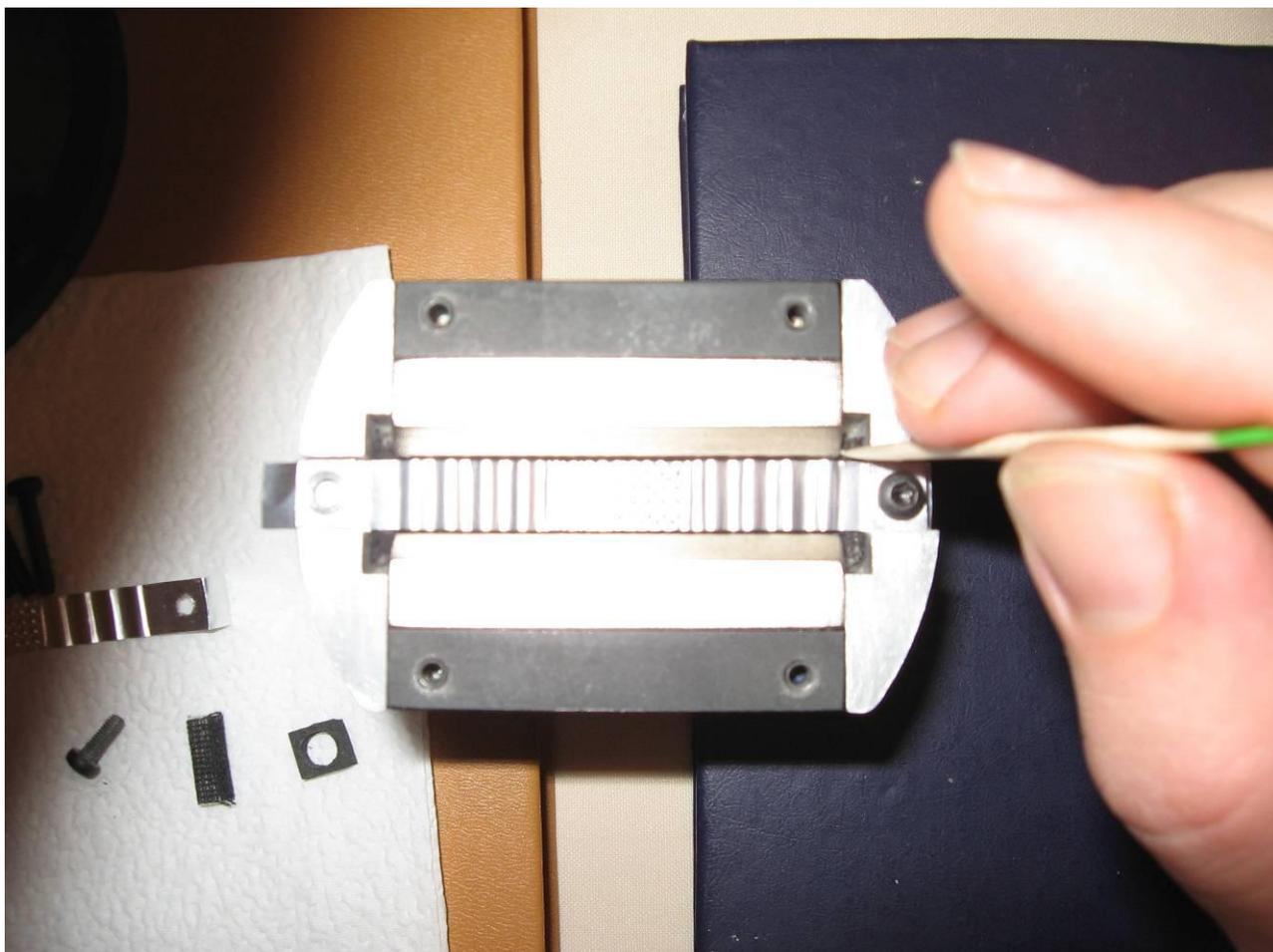
After the new foil and the rectangular washers installed and the position is confirmed, press the rectangular washer down with toothpick (one side at a time) and bend the extra length of the foil down as shown. Puncture the foil ends with toothpick at the locations of screw holes.



Cover the magnetic gap with non-magnetic material. Again, neodymium magnets are very strong and if the gap is not covered, the screw will fly in and destroy the new foil. Hold the rectangular washer with toothpick and place the screw in to the screwhole.



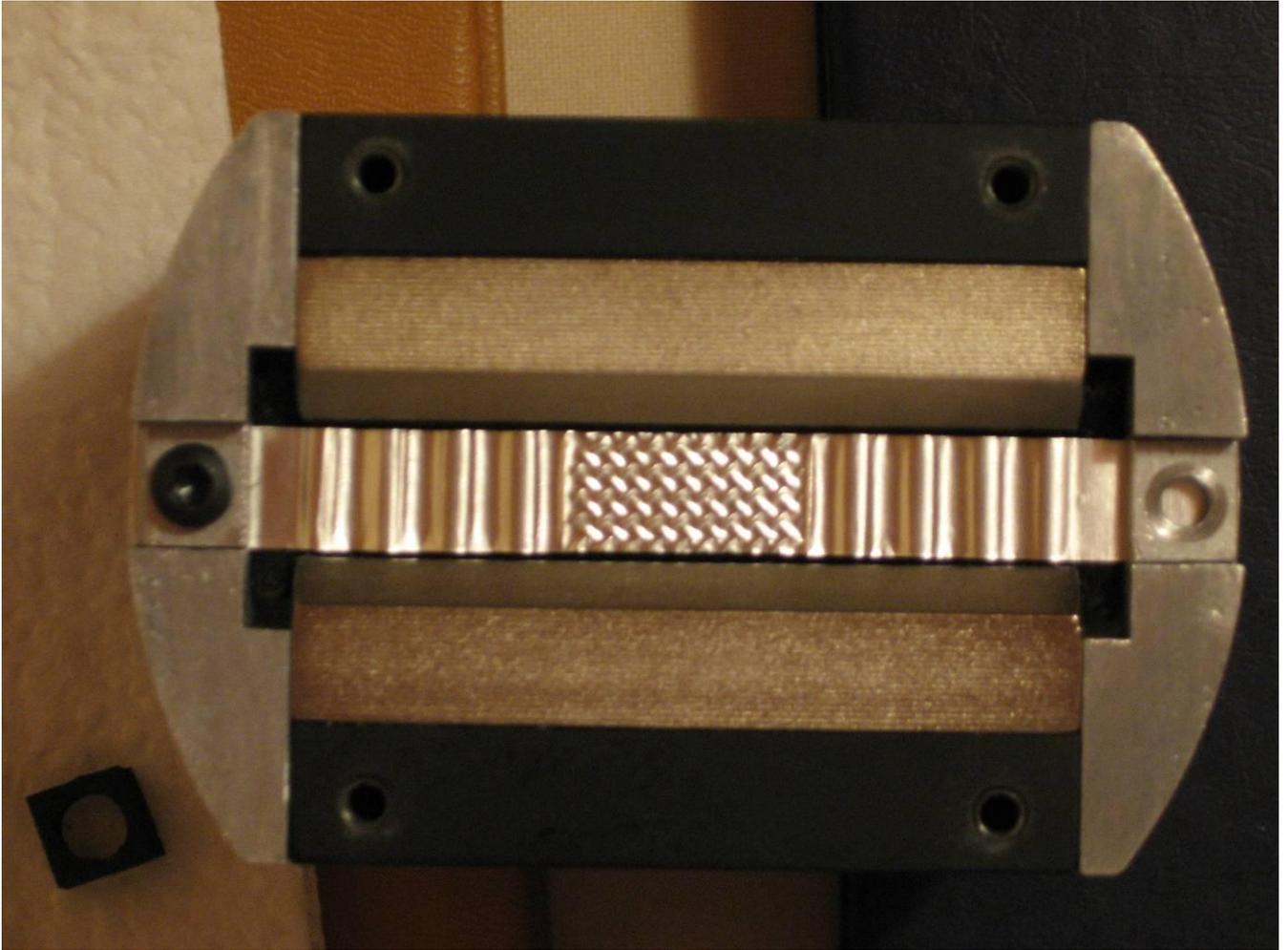
Start the screw. Give it 2-3 turns and make sure the foil is equidistant between the magnets. The foil is very fragile, so please take your time.



Когда лента приняла правильное положение, нужно затянуть винт.
After the foil is equidistant in relation to the magnets, slowly tighten the screws one side at the time. Use the wooden wedge to press down on the rectangular washer, prior to turning the screw. If you don't press the washer down first, the screw will move the foil in relation to the magnets. Do not overtighten the screws. Hand tight is fine.

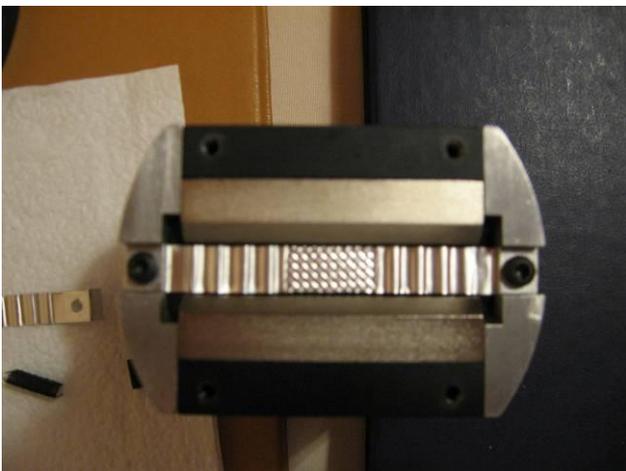


After one side is done, stretch the foil to the described position (bend to the beginning of the magnet), repeat the other side.

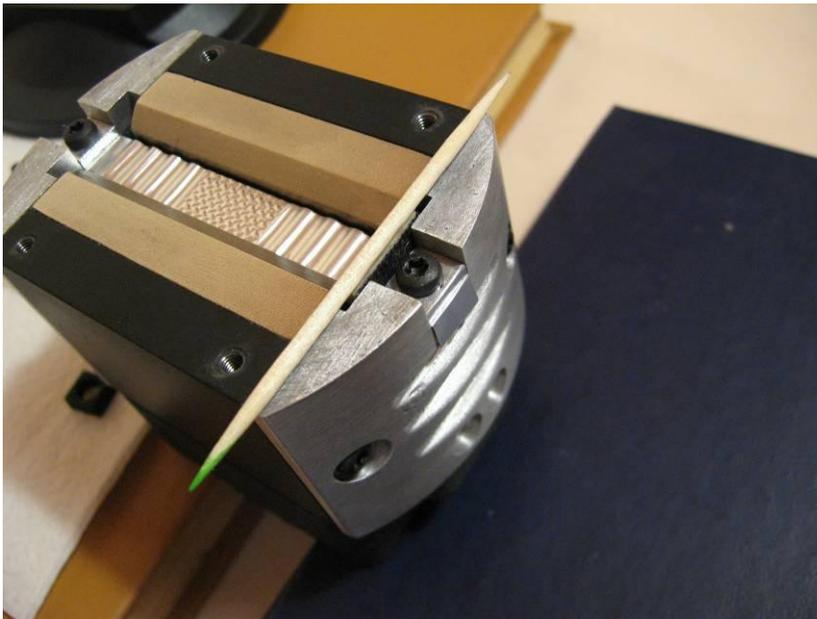


The foil is now properly stretched. Make sure to press the second rectangular washer down as you tighten the screw.

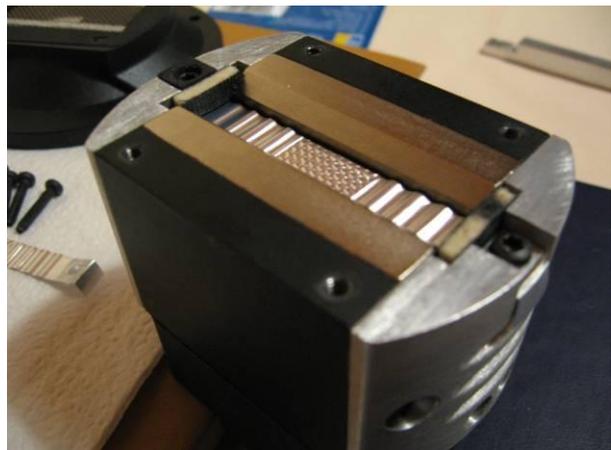
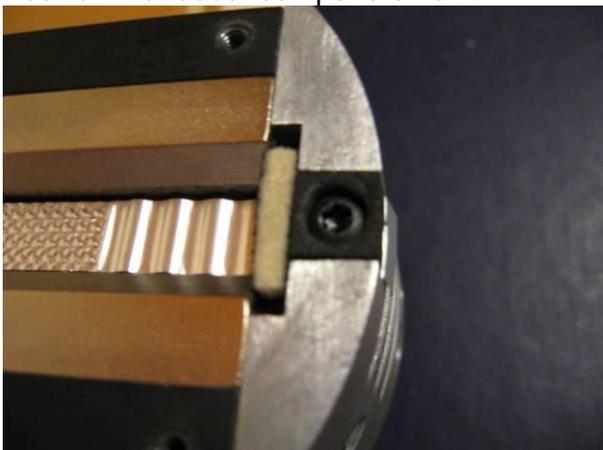
Place the upper dampeners back as shown on the picture.



Положение демпфера выравнивается относительно плоскости держателя
Next picture show the position of upper dampeners in relation to the frame.



Position the rubber dampeners next.



The washer should not protrude beyond the frame.
Reposition the waveguide and the holding screws.

