

JRC NRD 535 Balancing the Tuning Knob

Introduction

The tuning knob of the NRD 535 moves sometimes by itself. There is no possibility provided by the manufacturer to optimize the friction of the gear with a screw or similar like provided with other rigs. The only possibility is to “Lock” the frequency – but this is not good for permanent tuning.

The solution

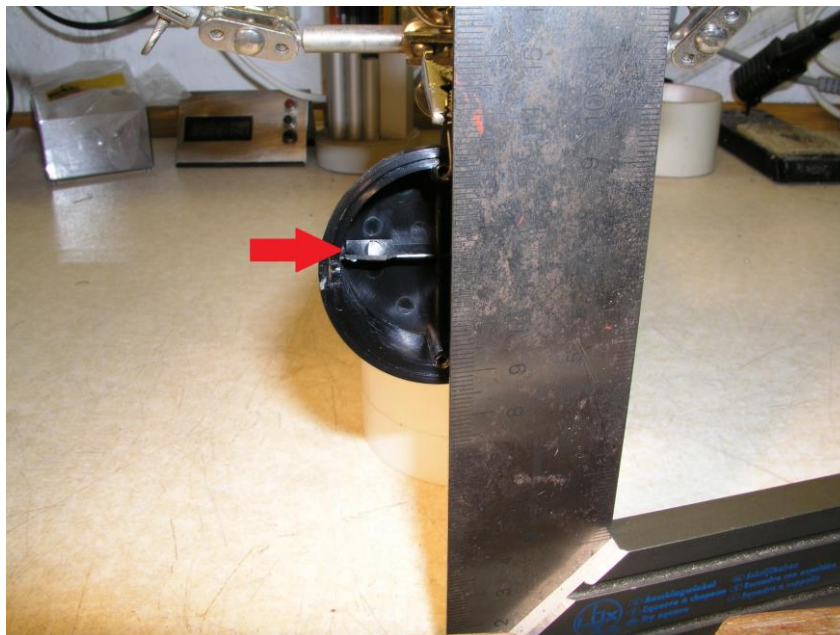
The reason for this mystery autotuning is the tuning knob itself, which isn't balanced; the finger dimple causes this effect. This dimple has a little bit more mass than the opposite side of the knob. It's necessary to balance this knob (picture 1).



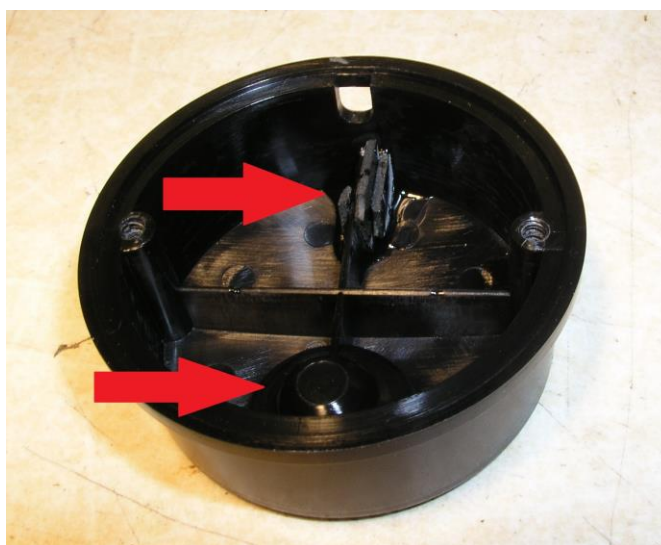
Picture 1 Testing the balance

Hang up the knob with a small piece of wire so that it can move free (Picture 1). Now check with a try square that the knob is balanced when adding some pieces of plastic (Picture 2, red arrow).

Consider the weight of the glue you need later to fix the pieces – so don't compensate the unbalance completely with the plastic pieces.



Picture 2 Adding some plastic pieces to balance the knob



Picture 3 READY – the balanced knob

Now the dimple is compensated (Picture 3); fix these pieces with a drop of glue.

Be careful and avoid covering the hole for the screw driver!

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