Kromray Type Generator.

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Jan 2018 to

Objective;

1. To Make a test Kromray Generator eventually to run it's driving motor as well.

2. To make a Kromray generator with a varying magnetic field strength, for a start then switching to permanent magnets.

3. To have a layout that does not need/require brushes.

4. To combine as many features in one unit.

5. Later run the generator on a pulsed type motor.

Reason for current setup.

I did not have enough brushes to make the 6 in the original. And to make unit that does not require brushes, more reliable and less friction loses.

Got 2 speaker steel end plates

Figure 1

2x speaker end plates, drilled hole in them.

Figure 2

Machined brass shaft.

Figure 3

Figure 4

Note brass in the middle does not need to be so thick but left it as think will help act as a fly wheel.

Figure 5

Brass shaft temp with speaker end plate on.

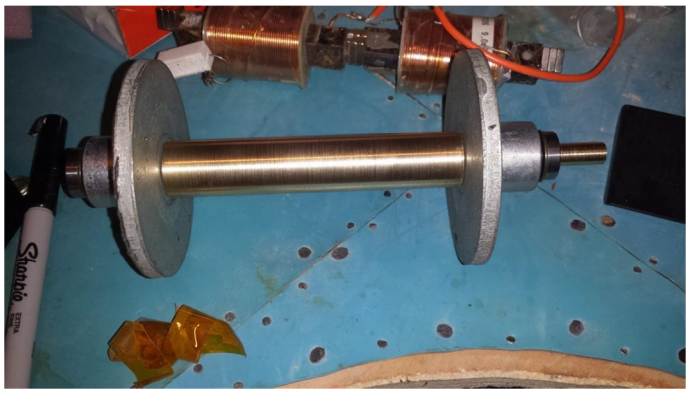

Figure 6

Recently noticed that actual Iron from one side to the other on each steel laminated bars, is not that great.

On a normal Kromray configuration the laminated steel on the armature has the Brass shaft running through it, so the full laminated steel dose not all run from one end to the other. This may be a reason that it works the way it dose? or not?

Measuring up copper ring for temp brushes for electro magnets.

Figure 7

Measuring up and drilling holes for centre bolt in temp electro magnets and help with alignment of permanent magnets later.

Figure 8

Figure 9

Cutting soft steel, for temp electro magnets.

Figure 4

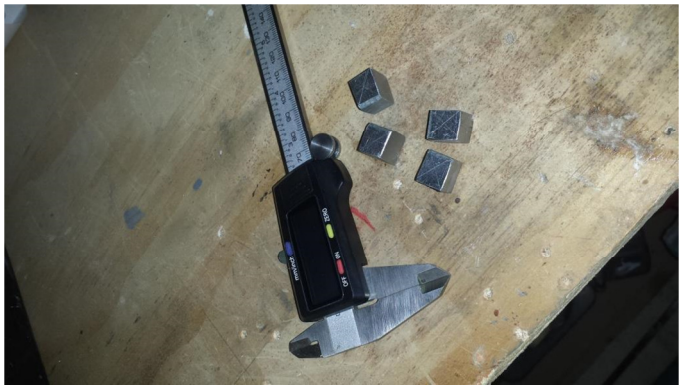

Figure 11

Drilling centre holes

Figure 12

Dusted off old motor and bearings from another project.

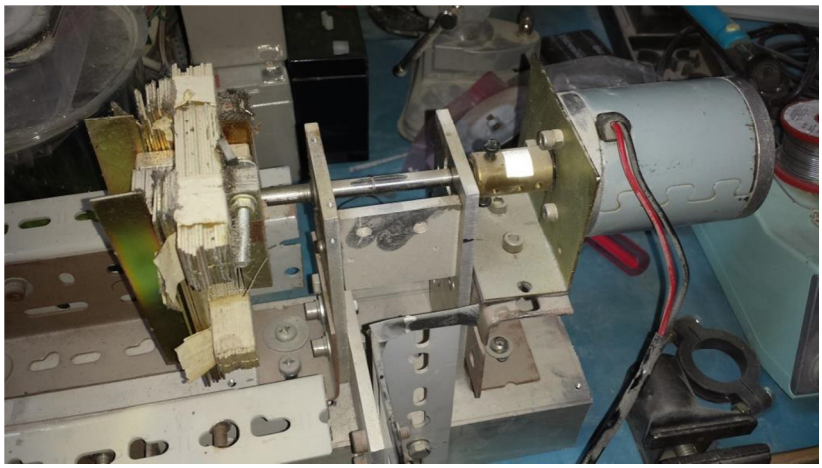

Figure 5

Motor with new shaft and bearings spaced apart.

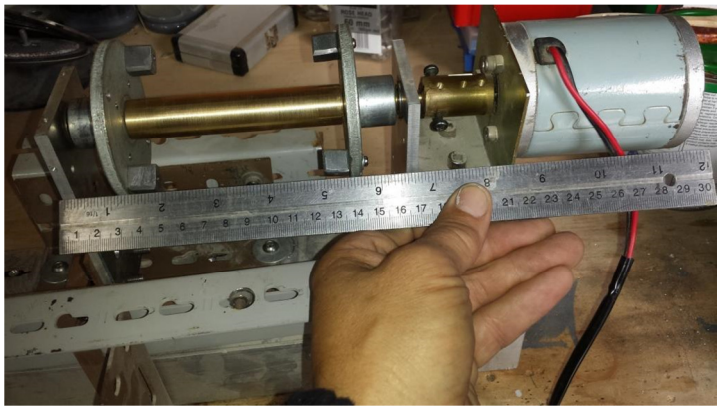

Figure 6

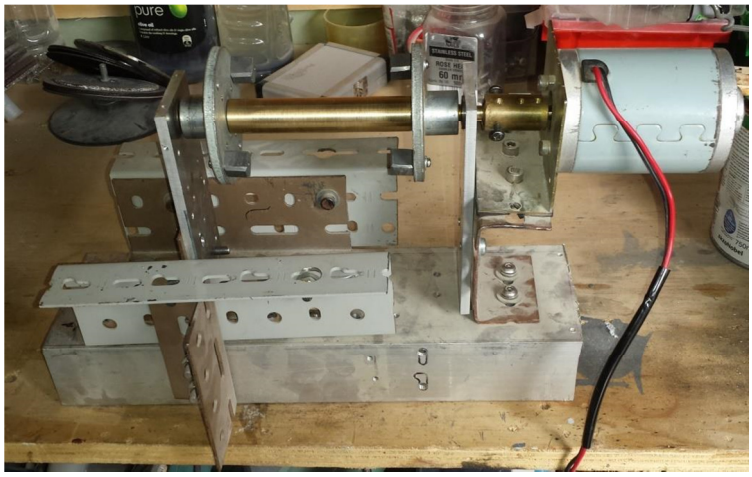

Figure 7

Soldering wires on copper slip rings.

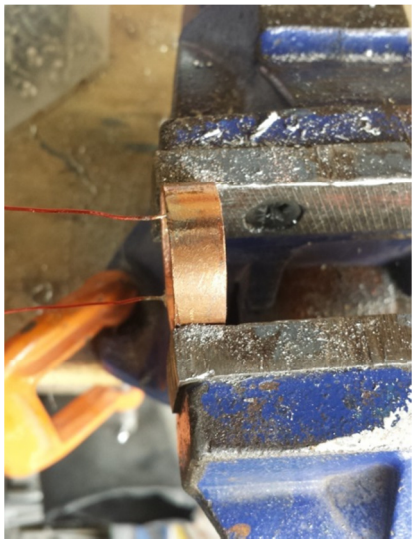

Figure 8

Copper slip rings on and temp electro magnets on and wired up.

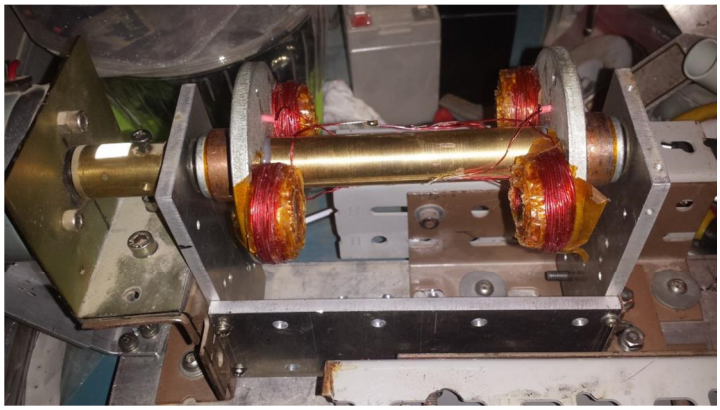

Figure 9

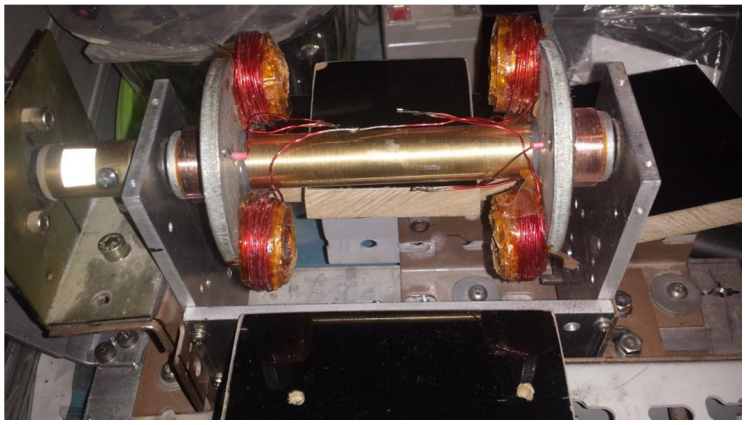

Figure 1810 **1 Aprial 2018**