

High Power Transmit Mag Loop  
Build Project  
Ron Schwartz K2RAS

# Tuning Capacitors and Power Considerations

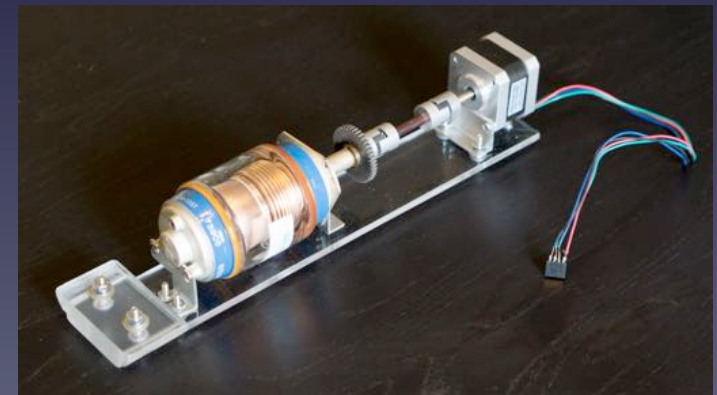
- Split Stator and Butterfly capacitors

- Generally usable only up to 10W power
- Inexpensive (a few dollars)
- Generally a reduction gear is suggested for precision tuning



- Vacuum Variable capacitor

- Can handle 100's of watts of power
- Contained within a vacuum container
- Can handle over 15KV and over 50A
- Reduction gear is included in the sealed unit
- Expensive (over \$100 used, over \$400 new)



# Some Example Capacitor Designs

(simply ideas for your design)

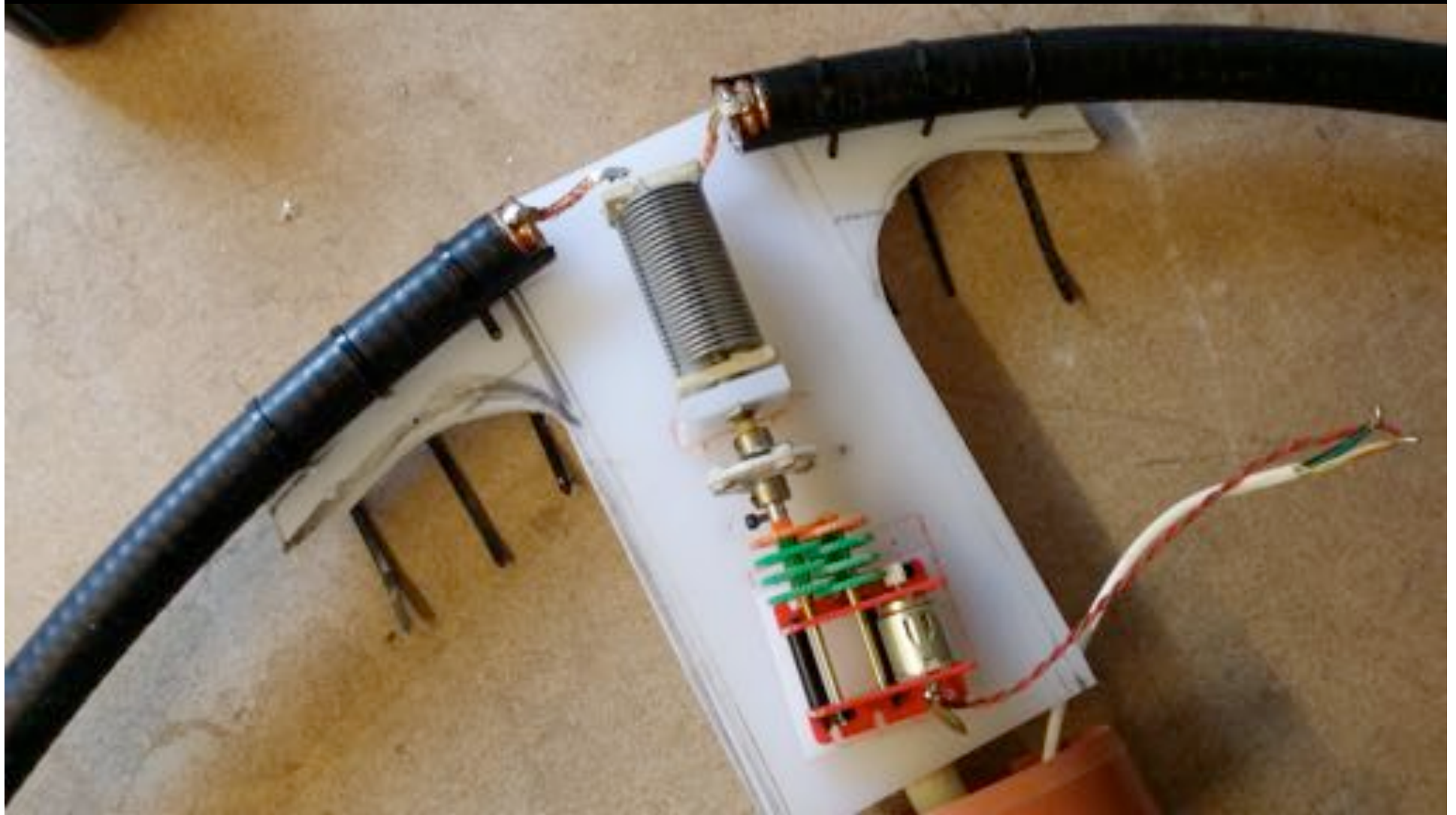
# Example Stator Capacitor Installation



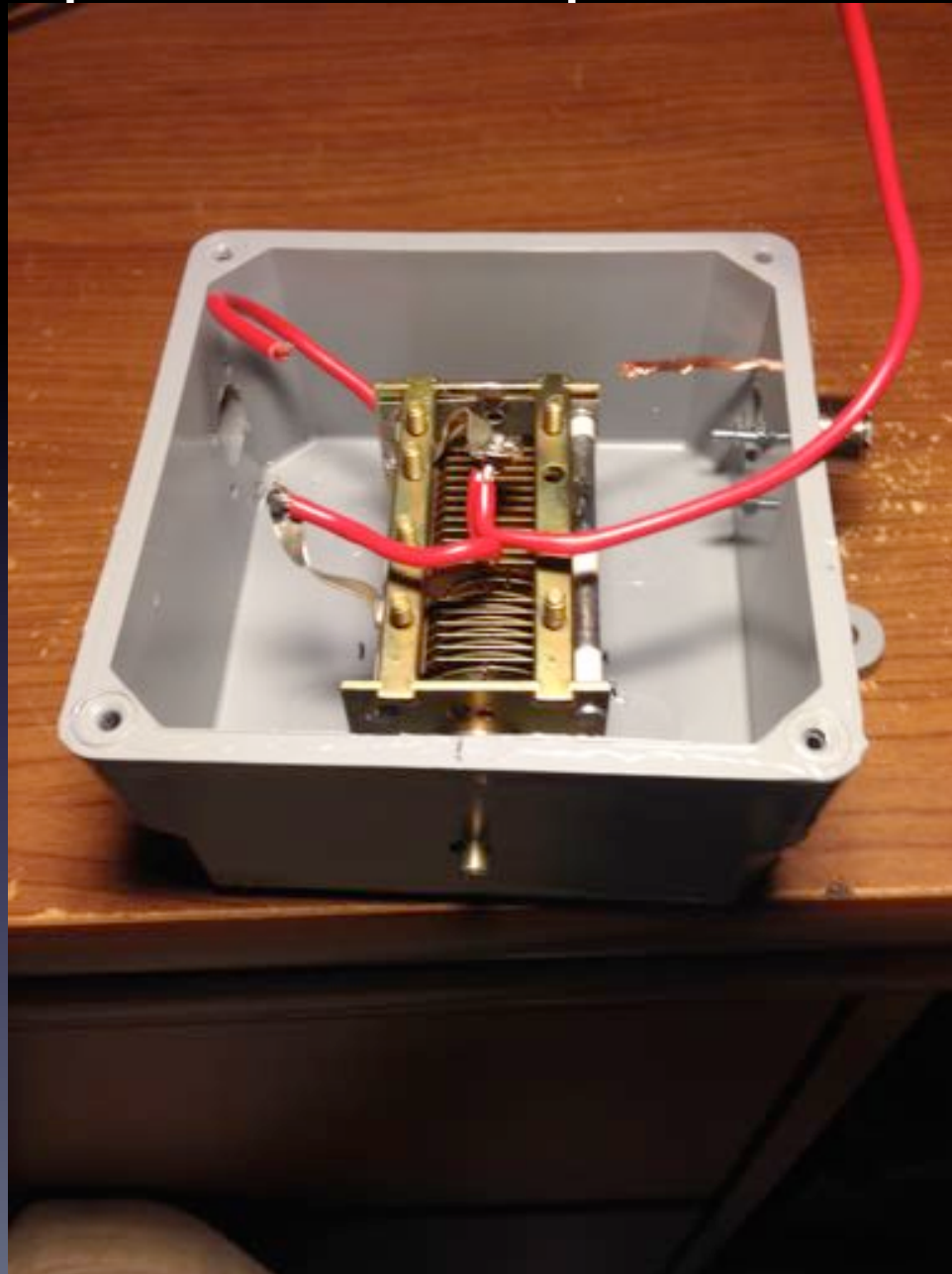
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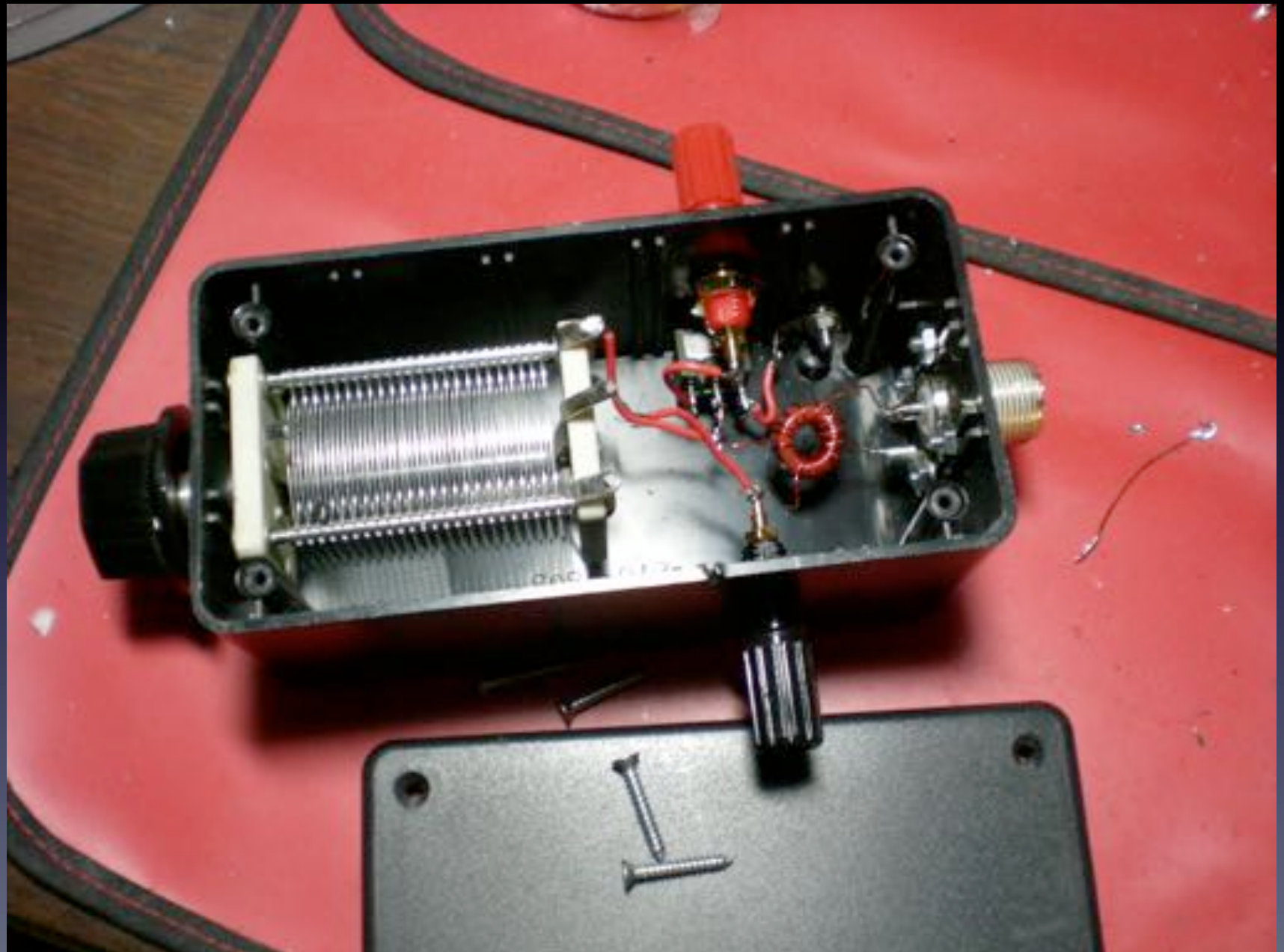


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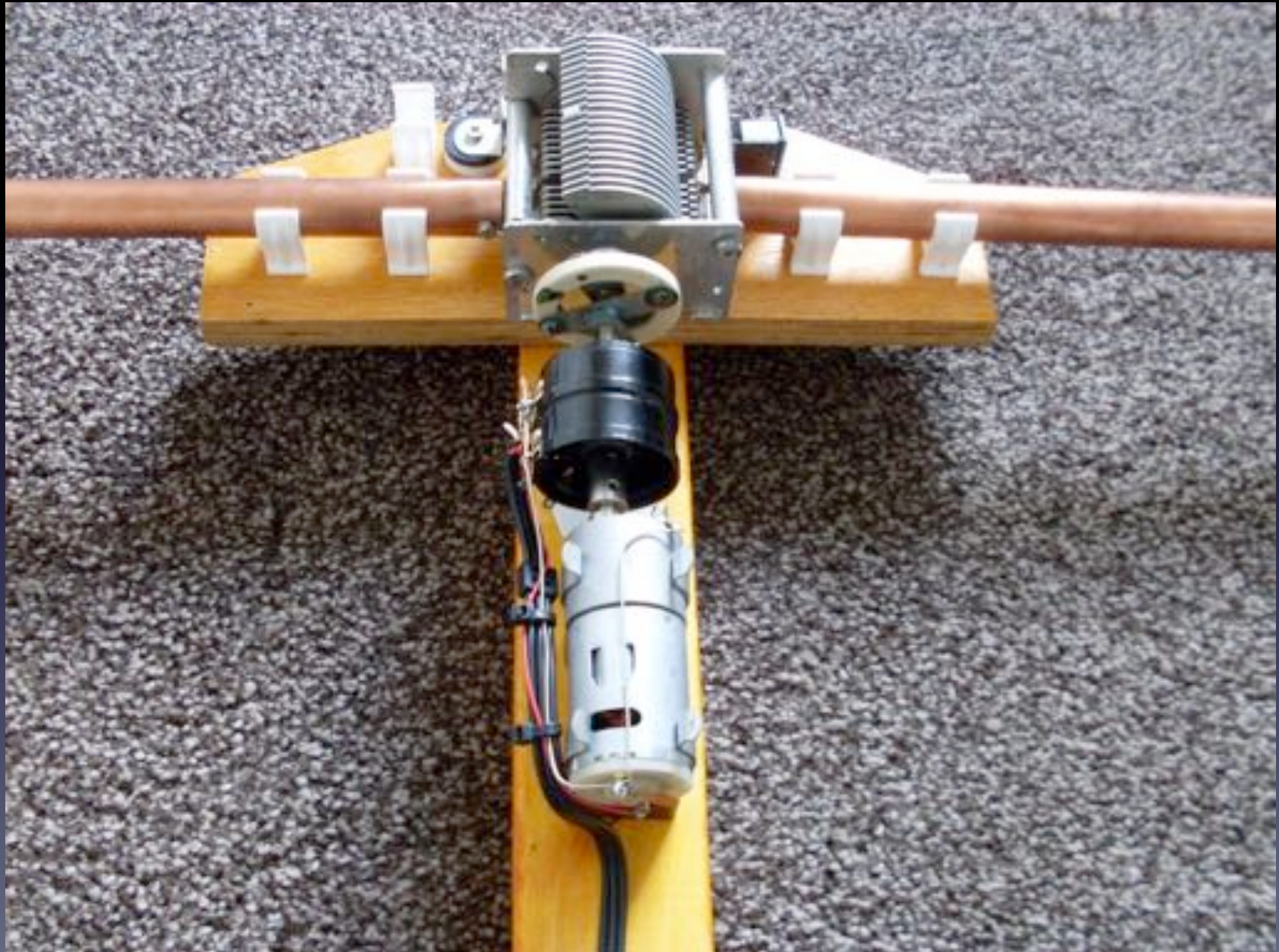




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**Custom large stator capacitors  
can handle more power**

**The Mazzoni loop antenna  
handles 500W 40M – 10M  
\$2100 (sold by DXEngineering)**

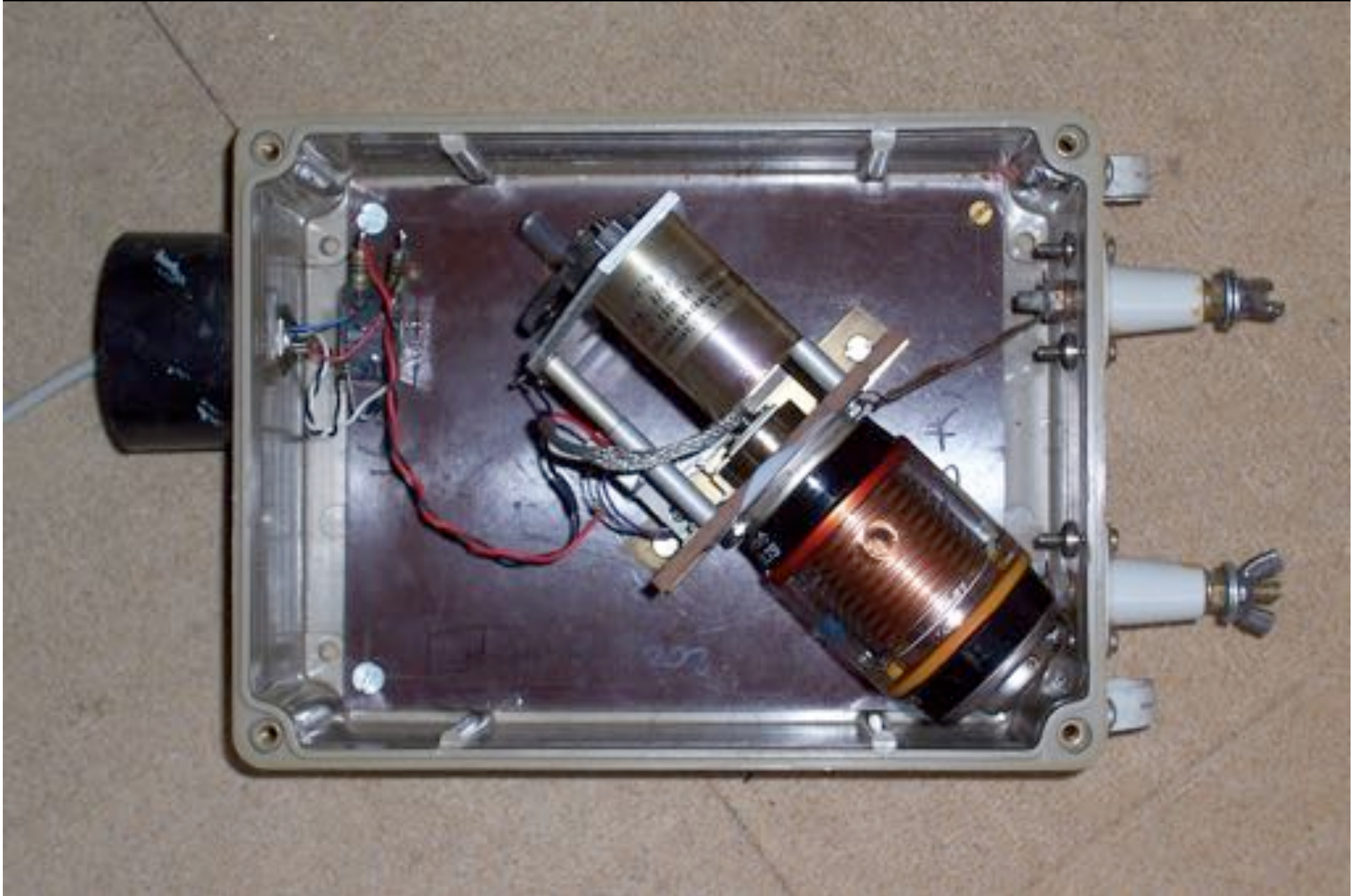
# Example Vacuum Capacitor Installation



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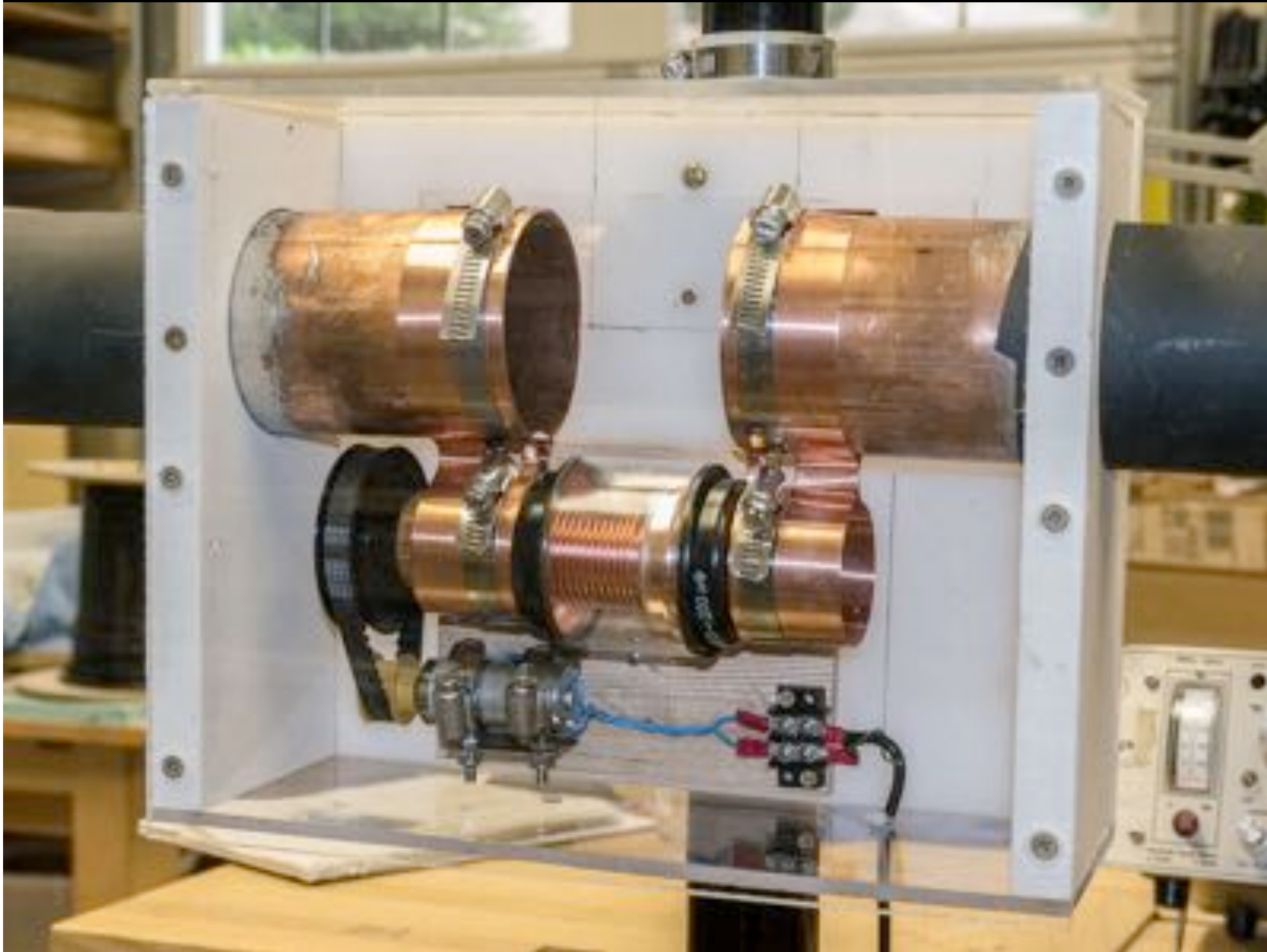
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