

Repurposing TOKO coils

I published an article in the November 2021 publication of Practical Wireless Magazine.

Electronic viewing of the magazine, as part of a subscription, is here:
<https://pocketmags.com/eu/practical-wireless-magazine>

As necessitated by space constraints the photos in the article might be a little small to be of any use for some readers.

So here are each of the graphics and photographs in high resolution.

Samuel

5th Order Butterworth Bandpass Filter

530 - 1700 kHz

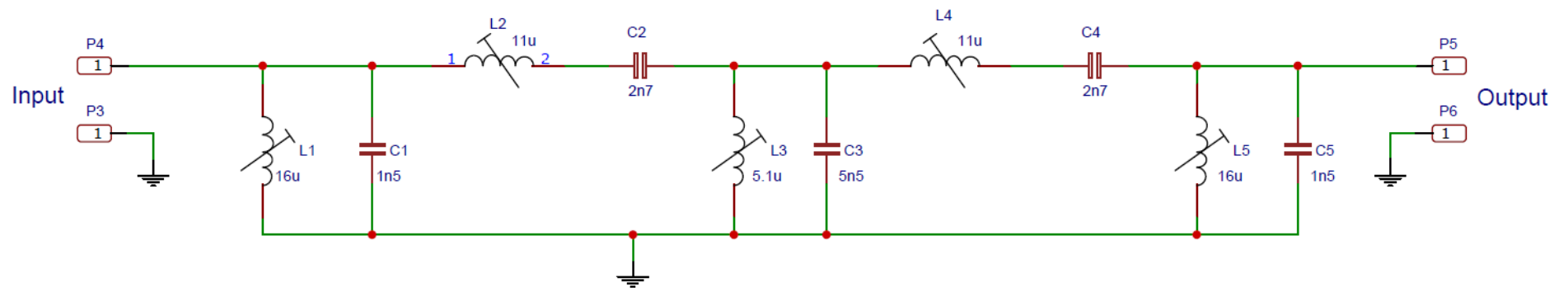


Figure 1. Schematic diagram of filter circuit.



Figure 2. Inside a TOKO 17SNS1879HM2 inductor



Figure 3. The right tools

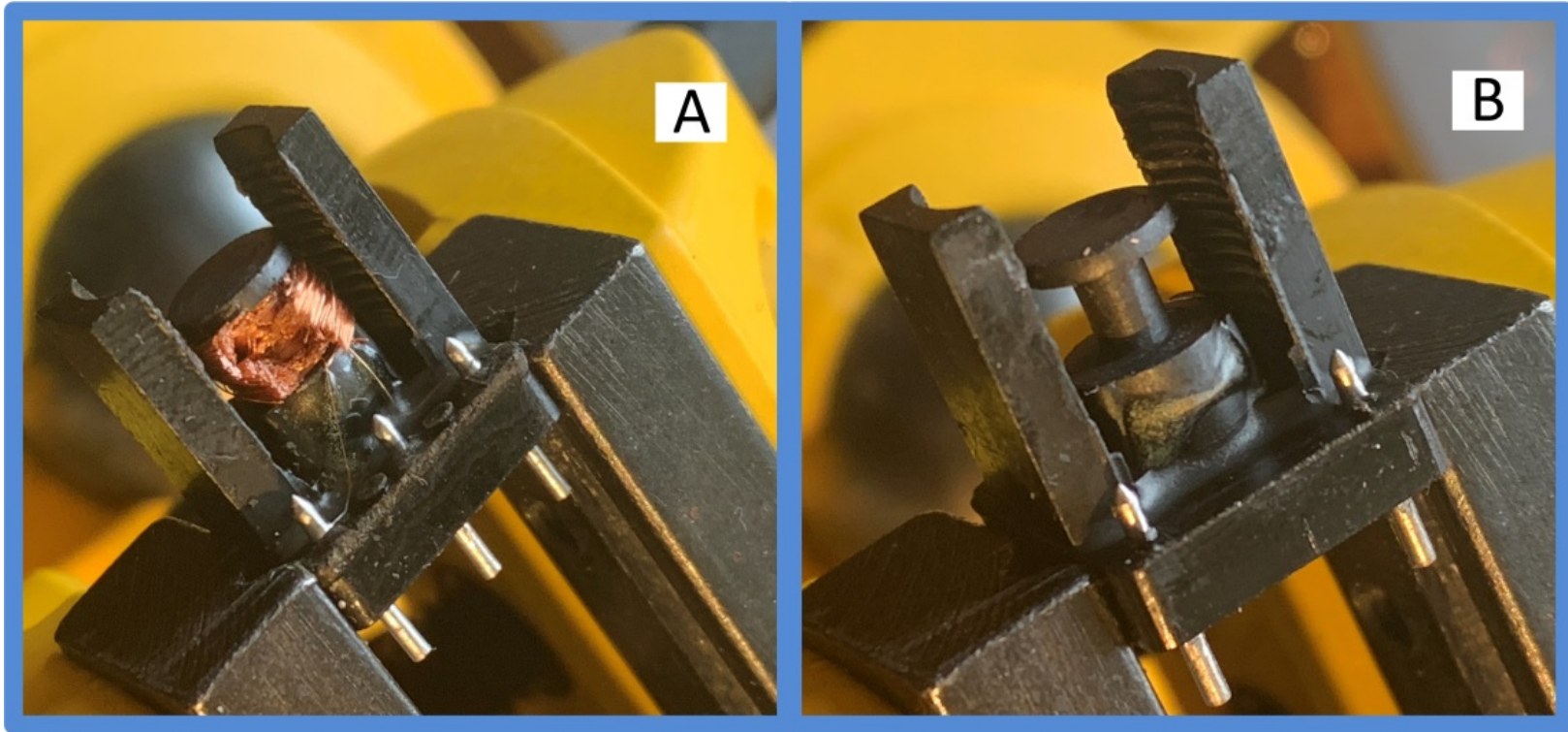


Figure 4. Removing the original windings

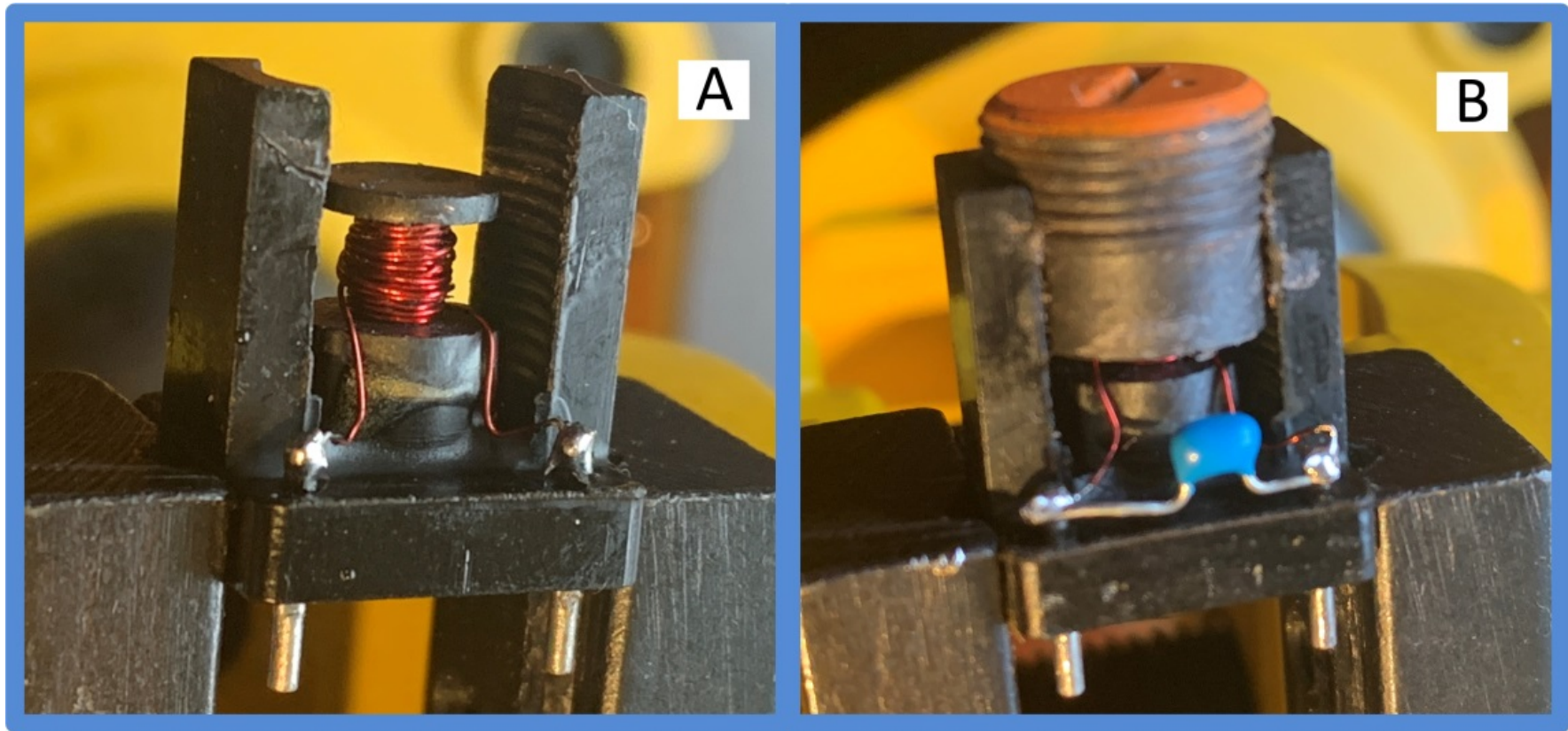


Figure 5. New windings and adding a capacitor



Figure 6. Removing the coil shield

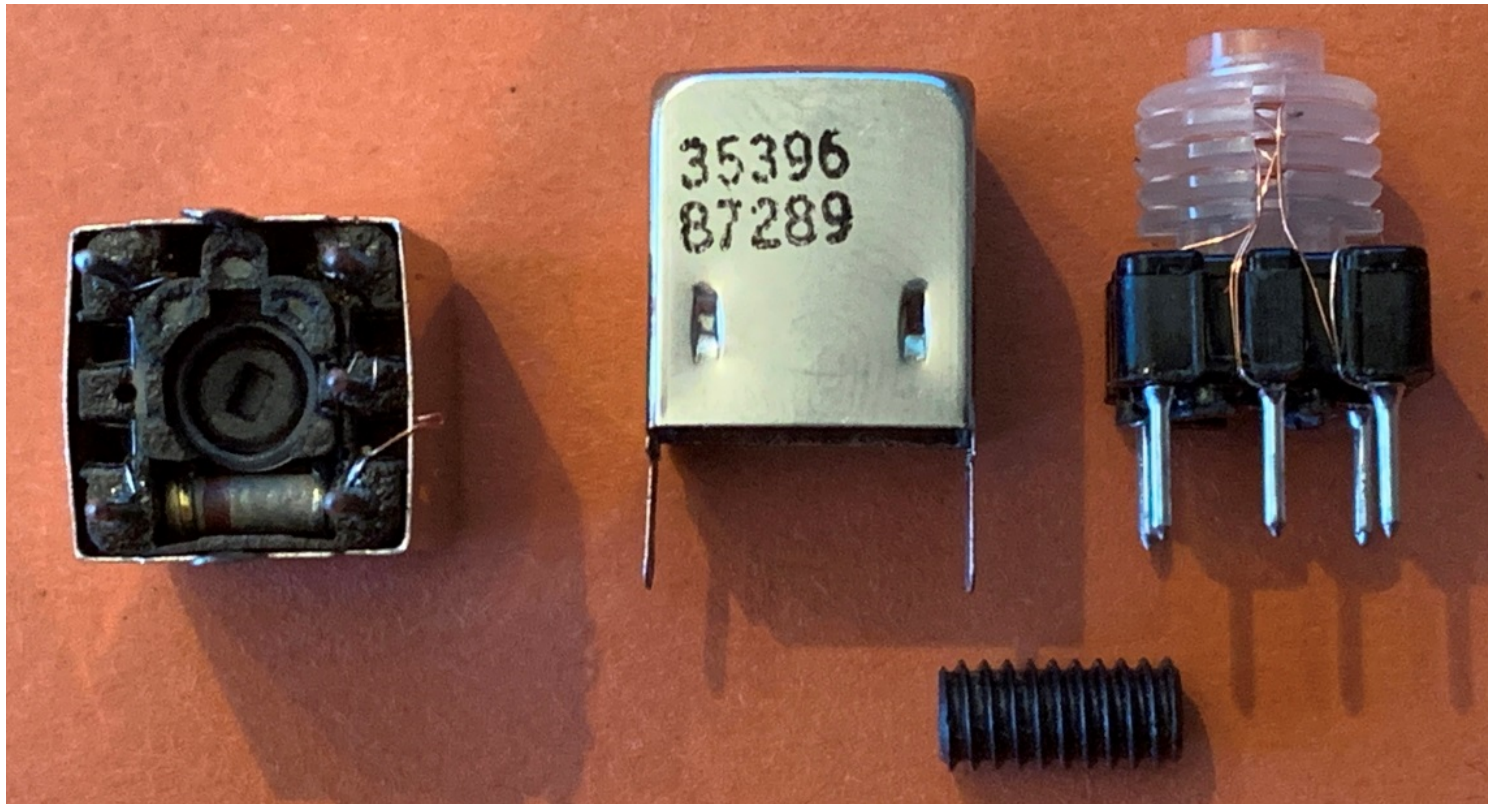


Figure 7. Inside the TOKO 10K-35396 inductor shield.

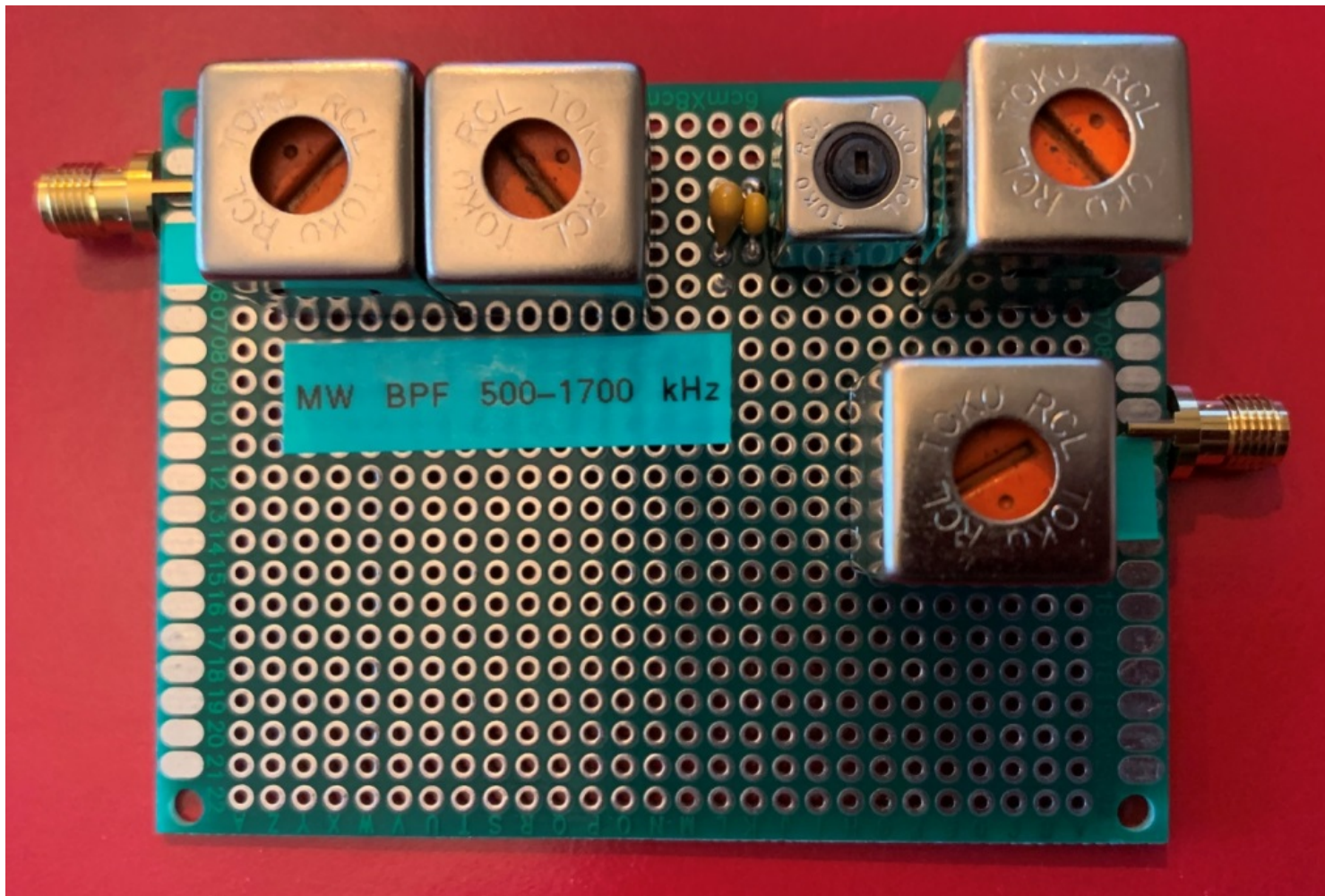


Figure 8. The assembled medium-wave band pass filter.

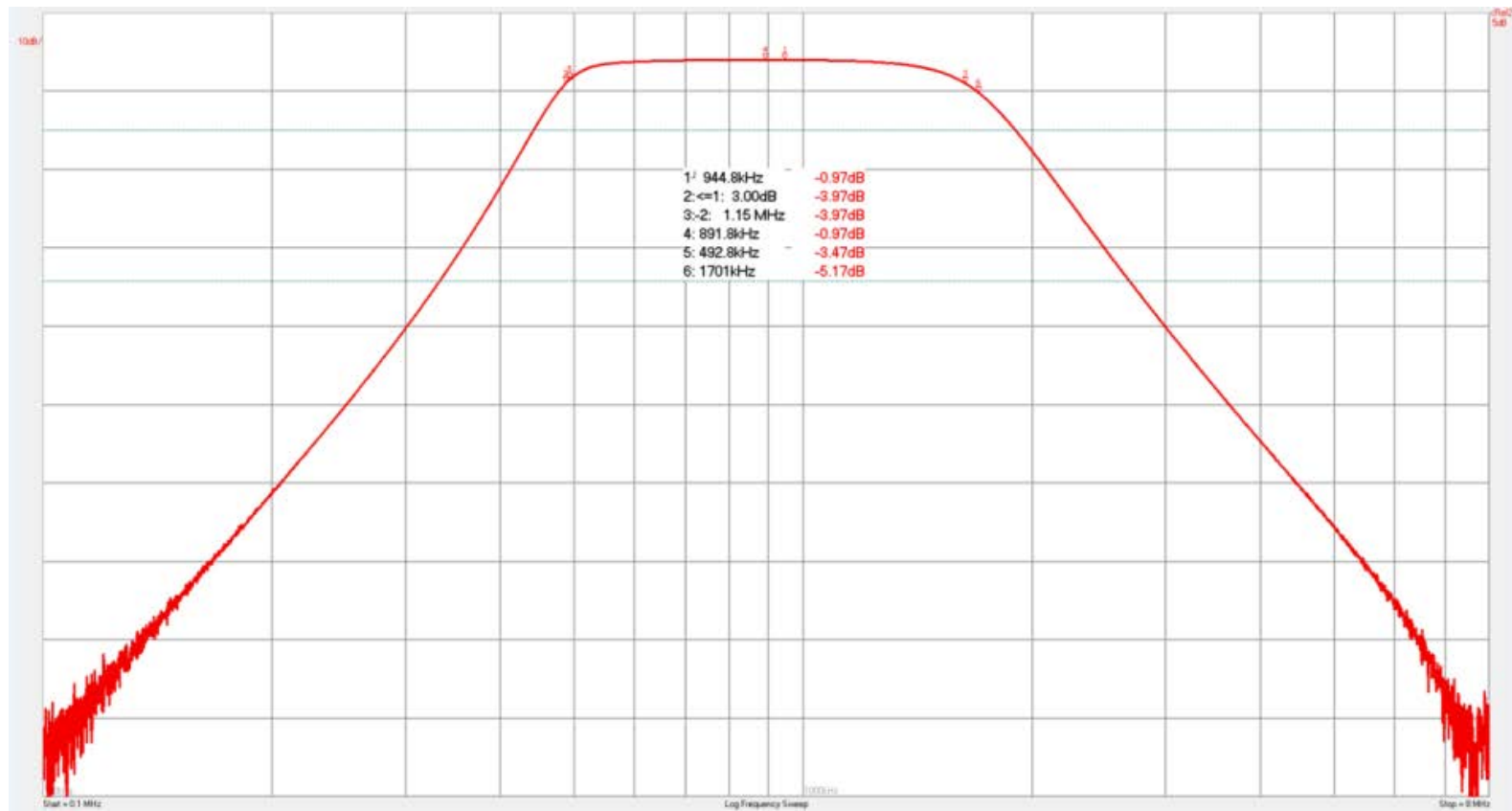


Figure 9. Tuned and ready for use