

Subject: RE: DC receiver PTO form

From: <kk4das@gmail.com>

Date: 11/16/24, 1:15 PM

To: "'William R Meara'" <bill.meara@gmail.com>, "'Bill & Marian Collins'" <bill.m@sbcglobal.net>

CC: "'Vince d'Eon'" <vince@vincedeon.com>, "'George KJ6VU'" <george.zaff@gmail.com>, "'Thomas Witherspoon'" <thomas@swling.com>, "'Rod Hardman'" <rod.hardman@gmail.com>, "'michael walker'" <mike@portcredit.net>, "'Pete Juliano'" <n6qwham@gmail.com>, <mark@halibut.com>

Hi Gents -

The STL file for the PTO former is attached. I thought I had uploaded the file to Hackaday but I didn't find it there. It needs to be printed at 110% to fit the standard ¼ x 20 brass nuts that we used. I recommend a 2" or 3" 1/4x20 brass screw for the tuner. If I recall, for the class I ordered the hardware from McMaster Carr - but a well-equipped local hardware store should have them.

The QRP builders PTO is an entirely different circuit so I would not use it.

If you want to get creative and not use our PTO former you need about 19 turns on a 10mm air core. You'll need to figure out a mounting for the brass nut and screw so the screw can move easily inside the coil and, this is important - the brass screw needs to be at ground potential to avoid hand capacitance messing with the tuning.

If you don't have a 3D printer - try the local library. In the worst case - I have a few left from the class - send me your address and I'll send you one.

This PTO former was designed by one of Farhan's friends in Hyderabad so if you build with it there will be extra soul in your machine!

73,
Dean
KK4DAS

From: William R Meara <bill.meara@gmail.com>

Sent: Saturday, November 16, 2024 3:35 PM

To: Bill & Marian Collins <bill.m@sbcglobal.net>; Dean Souleles <kk4das@gmail.com>

Subject: Re: DC receiver PTO form

Bill: They were made using 3D Printers. I will ask around here for the 3D print files and will send the files to you.

I am really glad you are trying to make this as we prescribed. We have had many others tell us, "I am going to build your receiver, but..." They usually go on to describe deviations that make it an entirely different receiver... Glad

you are not doing that.

73 Bill

On Sat, Nov 16, 2024 at 12:00 PM Bill & Marian Collins <bill.m@sbcglobal.net> wrote:

Hi Bill,

Since you are insisting that we build the DC receiver exactly as described in your documentation, where do we get the PTO form? Would it be okay to to purchase the PTO form from QRPBuilder even though it's a kit?

Bill WA5DSS

Bill WA5DSS
Bill Collins
127 Sunrise Dr
Kerrville, TX 78028

— Attachments: —

PTO Former - print at 110 pct.stl

674 KB