

A bad toroid shows up as very low power output on 1 or more of the low bands although the 10 meter power output is normal. The coil windings will be discolored in the area where the toroid core has overheated and cracked. The lower PA cage disassembly would appear to be a formidable task, but can be done in 1 hour, not counting the time to make many sketches of the layout. (Taking photos of the area are even better - KA4GAV)

Replacement toroid cores, for the CX-7 transmitter power amplifier, are the same as Amidon Assoc. number T-200-2. These are 2" outside diameter, #2-Mix, Red color code, Iron Powder Toroidal Cores. Two of these cores are glued together for the large size tapped coil in the CX-7 lower PA cage assembly.

To fit over the bandswitch, two slots must be filed with a 1/4" round file as the originals were. Two layers of #27 glass tape cover the toroid. Formvar enamel wire sizes are #12, 414, & #18. The taps are #18 bare wire and the splices are wrapped with #26 bare wire before soldering and covered with heat shrink tubing.

W8CXS

TN13

Toroid Repair in the CX7, cont.

