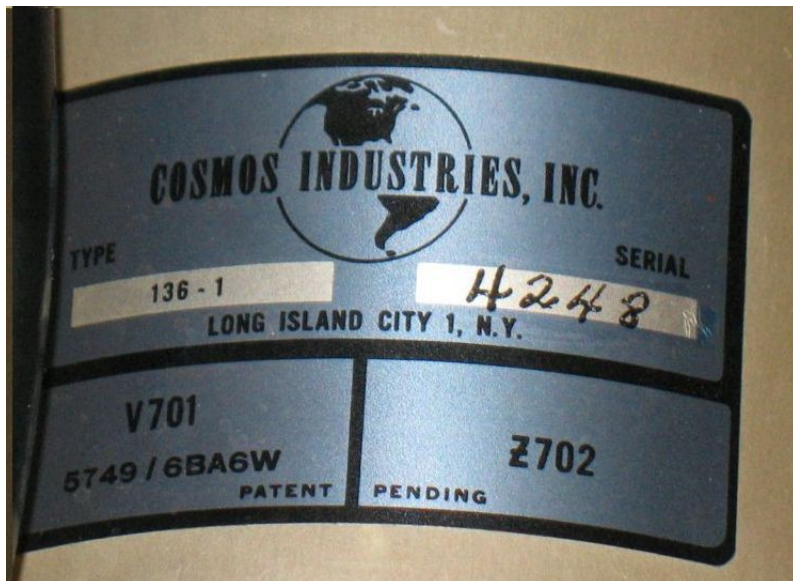


R-390A Cosmos PTO VFO History, 3/27/2022

The Cosmos PTO VFO was manufactured by Cosmos Industries, Inc. in Long Island City, New York (dark blue label) for the R-390A. They later moved to Brooklyn, New York and continued to manufacture them, but with a light blue label. The labels are similar, but a little different. See samples below.

Please let me know any suggestions for content and contributions welcome, Larry Haney, Larry41gm 'at' gmail 'dot' com. Thanks.



Electronic Assistance Corporation (EAC) preferred to use PTOs built by COSMOS Industries (NYC) in the R-390A receivers. EACs contracts spanned from 1960 to 1968 (including Dittmore-Freimuth (made by EAC)). Since delivering the R-390As would take a few years past the end of the contract award date, EAC probably made them through 1970. That means that Cosmos probably produced their PTOs in that same time frame, also.

The highest COSMOS PTO serial number Tom Marcotte has seen so far is 29,083, but I'm sure there are some higher ones. Does anyone know of any? If so, please send me a picture of it.

Tom also provided the following information:

The PTO patent was filed on **10-18-1960** by COSMOS Industries, Inc., Long Island City, New York. See this document:

<https://patents.google.com/patent/US3098989>

They were used as OEM by EAC in the R-390A and for spares. Tom did some data analysis of the serial numbers and concludes that they made over 30,000 of them. That's about 2 for every radio made by EAC. They were made at 45 Washington Street in Brooklyn. Cosmos also made ham transceivers (Cosmophone) and various radio products for the US military.

I found this post by **Tom Marcotte** in our R-390 Reflector List Archives:

[R-390] Cosmos Patent Application

From: Tom M. [courir26 at yahoo.com](mailto:courir26@yahoo.com)

Date: Tue Jun 11 17:33:00 EDT 2019

This is what engineers consider exciting reading.

See the patent app for the Cosmos PTO.

<https://patentimages.storage.googleapis.com/eb/39/e5/74f9e06263332a/US3098989.pdf>

Tom M.
