

Some additional information on the R-807, and RPS

Russian – American

6A7 – 6SA7

6}I{4 - 6AC7

6H8C - 6SN7

6K4 - 6SG7

6}I{1[] - 6F32 (EF95)

6[]6C - 6V6G On the Russian tube, the [] looks to be an n so it looks like 6n6C

SG-4 - VR150

1625 – 1625

811 – 811

813 -813

Where my R-807 came from and some history.

I am not sure but it was taken from AN-12 transport plane of mid 60s. These radios and transmitters were in production 1947-1975 or so and probably were supported by servicing till 1991. Also, it looks like some of them were "factory rebuilt" at some time. Starting from 1991 many of these planes were sold to private companies who took them to foreign registration and became to be serviced by private new companies based in places of most concentration of these planes. One of such a base is here in Sharjah. Being on their own they change avionics and comms with new modern so many such radios end up their lives here.

The microphone for this, as I believe, is not exist. They use plane's intercom headphones.

The possible explanations of copying some radios are:

1. There was an agreement which was probably done on the very top but not between companies, like verbally between Stalin and Roosevelt therefore no signed paperwork exists. I know that soviet engineers were allowed to access RCA files starting from 1935 when they had transferring octal radiotron tubes technology (entire factory). These tubes were not having success yet and it was danger to RCA to stuck with over funded project to be non feasible so they were looking for quick spreading these types at any cost. At the same time many fresh design civil receivers were just allowed to copying (6T5, RCA-140, etc). They even supplied turntables (I've seen radios made locally but using US made turntables by Garrard). There was cooperation but not known in papers.
2. The official ideology in USSR did not allow themselves to pay capitalists for anything like IP rights while cooperation was there and it looks like sides were understanding their differences by closing eyes on many delicate matters.
3. Most of military equipment were copied after 1945, eg when new president Truman tried to scare Stalin with Japanese nuclear bombing.

The ties, although still were kept looking like between two allies (mostly between soldiers and nations but not between politicians), were understood by both sides as rapidly cooling down and time they would last to be friendly is matter of months. Since this point Stalin has realized that half destroyed USSR cannot compete with USA whose economy boosted during the war. So in his situation it was right move to quickly replicate most modern equipment by copying rather than go through long route of paperwork agreements (which would stuck anyway). Destroyed country's industry needed everything, from communications to new long range bombers capable to deliver bombs to US territory, tractors, civil goods, cloth - everything. Development of all these would take dozen years while they needed all of them right away so copying was only the solution to somewhat equalize powers. Truman's speech basically ignited this process and gave green light to further Cold War.

Stalin has organized design bureaus using all specialist he could manage to find on the post war regions, many German constructors prisoners of war were released from jails and directed to specially created closed research camps where teams were created and clear tasks were put. Instead of idle sitting in jails these guys were given their favorite style of life - designing, and the process was so mastered by Beria that it was organized as competition of brains and systems. It was done so professionally that many of western engineers after finishing their terms were refused to come back and decided to ask for citizenship, adopted Russian names and became academics, professors, they were given cafedras or even they were allowed to create institutes. So USSR became their new home as they have lost their past ties but managed to create new life, loved work and new families, gained respect, awards, homes, etc.