

Maintenance; Multipattern popping/errors.

I have a multi-pattern capsule, for example the UM-70, but it doesn't work right
Popping, faulty characteristics, doesn't repond right to switching etc.

I had this UM-70 which had this. I opened it; there are two plastic pins in the switch, try to wiggle them out, almost impossible to not ruin them;(fig 1) and i first checked the switching part. Be carefull with that! You can clean the connections carefully some alcohol or verry little contactspray (spray it on a cottontip, not in the parts). There are two pins at the bottom of the capsule-part. Screw them out by putting a little screwdriver through the holes in the sides of these pins. Now the last screw of the bottom, it's obvious which one.





The center pin(golden in pic 1), you can also screw loose, but then the capsule itself (pic 2) will come off, just held by the golden 'wires'. So keep your finger off that one. Now the 'foot' with capsule is loose, pick it out of the 'cage' verry carefully. Now you can see that the capsule/membrane has a screw in the middle. Tighten it when it's loose. Be carefull though, not too tight.

A problem with the UM-70 is the little plastic with some sillicons in it(not in picture). That's to keep the membrane fixed in it's 'cage'. It often comes off(breaks), but you can glue it with some industrial glue. Just a drop and it's fixed. Now build it back together. Look where that last hole of the bottem was, so you know front/rear. Screw the pins back. Remember not to touch the internal contacts, once you've cleaned them. The outer one you can clean with a cloth afterwards. This worked for me.

Check the technicians page at technical.raysaudio.com.