

4.13.3 Soft Touch Mod

Placing a dab of glue in the barrel as shown in the figure D150 will change the sound that the return of the flipper creates. It dampens the noise ever so slightly. The downside of this modification is the required effort to implement it. Opening the assembly sandwich as described in 4.4 “*Opening & Closing the Assembly Sandwich*” is needed as a start.

Once the assembly sandwich is open, the flippers of all barrels need to be removed and stored safely. Depending on the condition of the barrels (how clean they are), the modification can be done, while the barrels are still attached to the barrel plate / assembly plate. I suggest to remove them for a in-depth cleaning when they show dust accumulation.

There are different types of glue available that are reported to work well. In this description I used a two component epoxy for plastic that cures over night. it is possible to get a batch of glue ready as seen in figure D149 while there is still enough time to add a dab to the barrels (shown in figure D150).



Figure D149: Soft Touch Mod - Glue



Figure D150: Soft Touch Mod - Barrels with dab

Once the dab of epoxy glue has been cured, as shown in figure D151, the barrels can be added back, followed by the flippers etc.

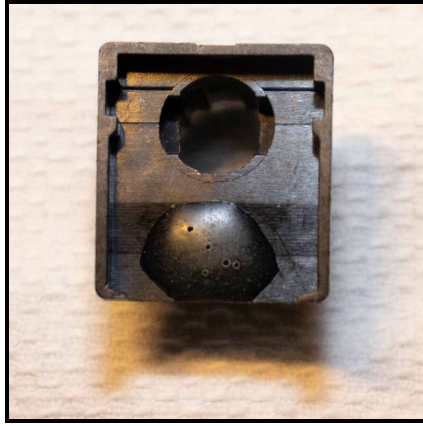


Figure D151: Soft Touch Mod - Epoxy Glue is Cured

The benefit of epoxy is that it can be removed when heated up with hot air. Important here is to know that the hot air shouldn't be too high. As long as it is just still acceptable to the human hand, it is just right to be blown over the barrel. As shown in figure D152 the distance and heat needs to be adjusted accordingly.

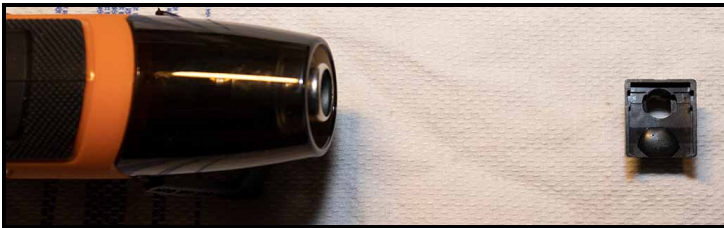


Figure D152: Soft Touch Mod - Heatgun

Important: For the heat based removal of the glue, all barrels have to be removed from the assembly plate. I have tried the heat gun method with a foam mat and it deformed with only mild heat.

Using tweezers, the dab of glue can be removed by pushing

one side of the tweezers underneath the glue and pulling upwards. In my tests, this turned out to be a reasonable easy. In figure D153 the removal is shown and that no residue is left on the barrel.

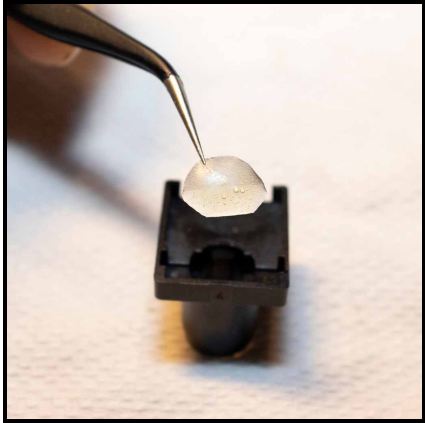


Figure D153: Soft Touch Mod - Epoxy Glue Removed