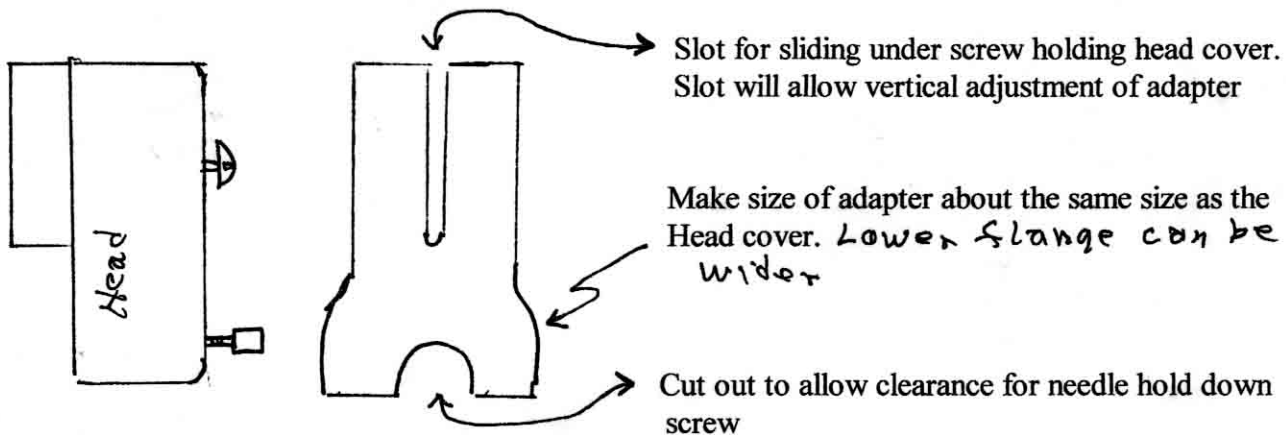
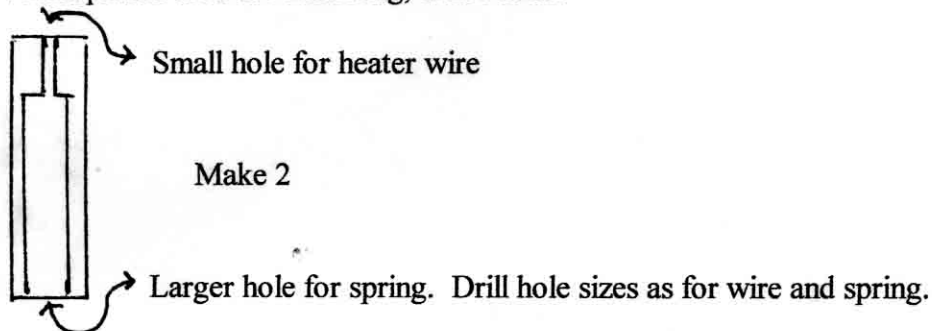


Basic instructions for building a hot stylus adapter for Presto 1C or 1D head

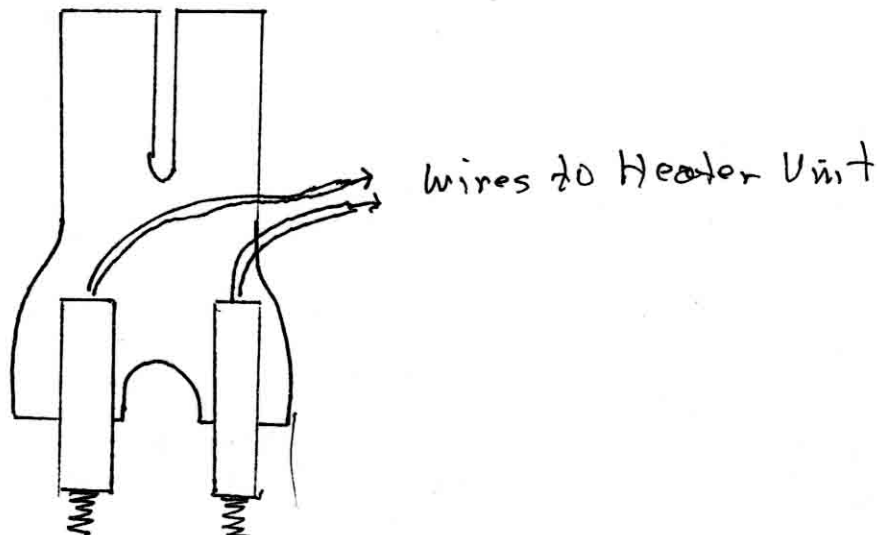
Out of a piece of tin or light weight aluminum, cut out a piece that looks like this:



Out of 1/4 x 1/4 inch plastic about 3/4 inch long, drill out as:



Take spring, cut long enough to fit in plastic and stick out below about 1/8 to 1/4 inch. Solder header wire (insulated) on one end of spring. Feed wire in large hold and out the small hole. Insert spring & fasten with super glue. Mount plastic with screw & wire on each side of the adapter plate. Finished unit should look like this: w/super glue



Squeeze wire from needle to each spring. Make sure wires touch no metal. Some heater wire on needles may have a lacquer coating - you will need to scrape off where it attaches to the springs.

Adjust adapter vertically to clear record on turntable and wires to clear bottom of head cover. Put a piece of electrical tape on the bottom of the head cover (cut out around needle hole) to help insulate. Heater wire (nichrome wire) can be put around needles with 7 ½ turns, and kept in place with a glop of white glue.

Parts for a heater unit:

1 volt AC meter
50 ohm pot (I think it was 50 ohm - ?)
110 to 6 volt transformer.
On/off switch
indicator pilot light.

Adjust meter to apply about .6 volt to needle.

Wires can just begin to glow. If too bright, excess heat could melt wires.

Start cutting record cold for a few grooves to ensure thread is being collected before applying heat.

If thread tangles up in wires and drops a glop on record, you can clean the needle with acetate. Be careful you don't break the wires when doing this. Needle can be cleaned - record is ruined.

Some further suggestions:

Of course, you must have vacuum system. I have found that a tank vacuum cleaner such as an old Electrolux works very well. Be sure you have a collector jar in the scheme. Even put a little water in the jar. Swarf or thread is very flammable. Use cloth or very fine screen as a filter over the outlet to the vacuum cleaner. Be sure to use rubber medical tubing for the tube from the head to the jar. Plastic will not work. The static electrical charge will make the swarf stick in the plastic tubing. Use some copper tubing to extend in front of the head to pick up the swarf. Attach rubber tubing to the end. Flare out the end if you can.

