

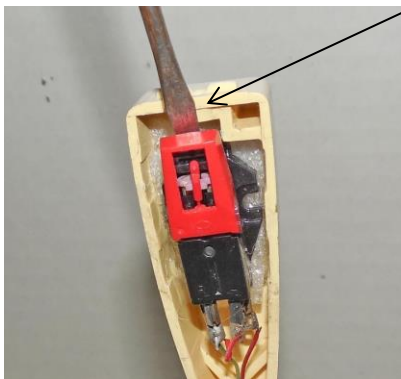
## REPLACEMENT OF RED DIAMOND NEEDLE



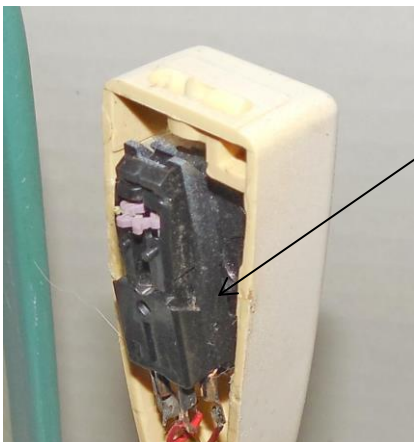
This is an example of the new cartridges and needles used in most record players today. The needles have different numbers to fit the cartridge but most are the same.

To replace these needles, note that in the front, is a small ledge and a gap between the cartridge and the needle

The needle sits in a rubber saddle which transfers the audio from the record to the cartridge where it is turned into a small voltage which is amplified by the record player.



Put a small sharp **object** such as a small screwdriver or bent paperclip in the gap and pry the need outwards. You will hear a snap when it pops free. Lift it out and note the back of the needle assembly has a taper on each side. This slips into the similar taper on the sides of the cartridge to hold the needle on the backside and when snapped into place, on the front. The needle should be resting in its saddle.



With the needle assembly removed, note the v shaped indent on each side of the cartridge. The assembly has a match that slips into this spot to hold the back of the needle assembly.



Put the new needle into these indents as shown and push the front of the assembly against the cartridge until you hear it snap into place.

That's all there is to it. These are diamond needles and should be good for 800 hours of play time if they are not mistreated.