

**The connector from fuel tank to fuel pump sheared off**  
looks like it was soldered on before.



Answer by Eddie

Originally these nipples, were silver soldered on, conventional soft solder is not strong enough. I have for the past 65 years repaired numerous Austin 7 petrol pipes, Austin never used soft or tinmans solder for fixing nipples to copper pipes, the reason for using Silver Solder is the high tensile strength of the solder, which makes it very resistant to vibration.

Vibration is a problem that was always present with A7 engines, particularly early models prior to the introduction of crankcase flexible mountings.

One extra benefit of silver solder, is that the silver content makes it resistant to the Ethanol content in modern petrol, whereas soft solder can be attacked by the Ethanol content.

I still repair A7 petrol pipes by use of silver solder, the silver rods are easily obtained via the Internet, but you do need to use Map gas ( yellow container ) in your blow torch, also it's important to remove all of the soft solder which may be present.

On A7 engines with rubber mountings, there is no requirement for a vibration loop prior to the petrol pump, because any vibration is kept to a minimum by the rubber mountings.