

Pump Repair Kit Fitting Guide

For overhaul of the AC Delco fuel pump fitted as original equipment on the Ford/Lotus Twin Cam engine.

Important Considerations To Remember When Overhauling Your Pump

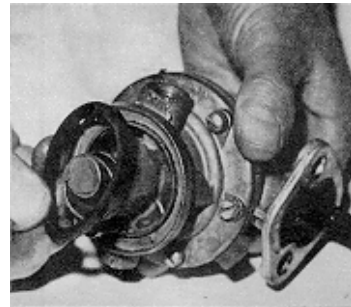
1. Plug the petrol tank pipe
2. Clean the pump body before stripping the pump
3. Scrape away the staking on the poppet valves (a sharp modelling knife is ideal)
4. Re-engage the operating arm correctly when reinstalling the pump - provided you have not rotated the engine it will probably only go back one way anyway



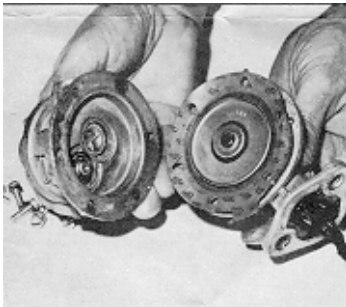
1 Pump off and on the bench, first job was to unscrew the stirrup nut and carefully lift away the glass bowl



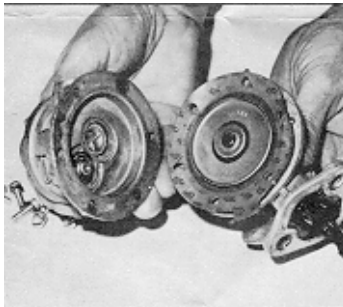
2 Work is easier with the stirrup nut removed. The filter just pulls off - make sure it's free of sediment



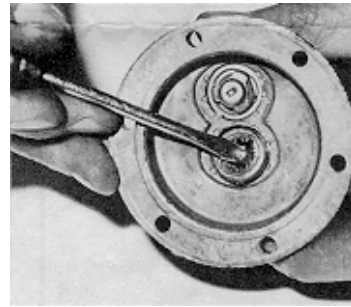
3 It could be tedious winking out the bowl seal, but you may regret it if you decide not to bother



4 Scribe mating marks, then undo the securing screws each a little at a time, and separate pump halves



5 Press down and turn diaphragm to separate its rod from the operating mechanism. Look after that spring



6 Scrape away staking, then this valve can be carefully levered out - note the valves face opposite ways



7 I found I could reach the other one with a drift from the other side, which made life a lot easier



8 Renew seals then fit new valves with suitable hollow drift that bears on outer circumference only



9 The remains of a crosspoint screwdriver was ideal for re-staking, using previous positions as a guide

For further information regarding fuel pumps, performance products or genuine Lotus products, please phone The Elan Factory on (613) 9761-1903 or fax on (613) 9739-8944. Alternatively you can write to The Elan Factory at 5 Marong Court, Boronia Heights 3155, Melbourne, Australia or e-mail at elanfactory@optusnet.com.au