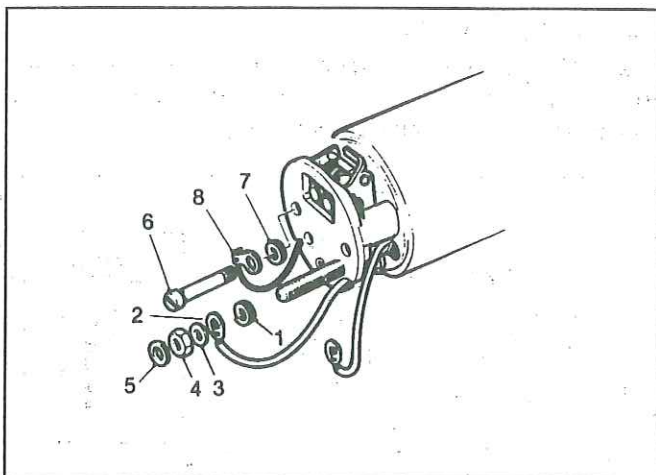
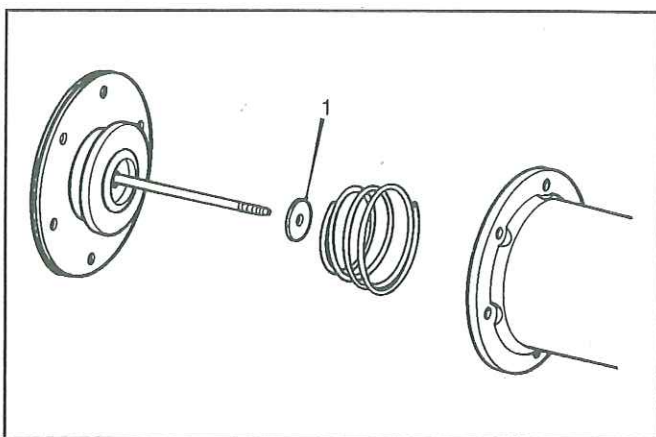


Electric Fuel Pump: Reassembly



2

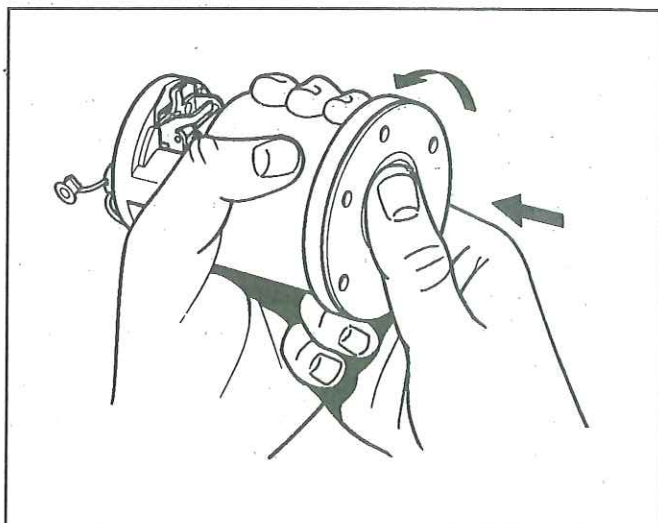
- Assemble the 2 BA spring washer (1) and put the terminal stud through 2 BA terminal tag (2), then fit the lead washer (3) and the coned nut with its coned face to the lead washer. (This makes better contact than an ordinary flat washer and nut.)
- Tighten the 2 BA nut and finally add the end-cover seal washer (5).
- Assemble the pedestal to the coil housing (see figure 2) by fitting the two 2 BA pedestal screws (6), and ensure that the spring washer (7) on the left-hand screw (9 o'clock position) is between the pedestal and the earthing tag (8).
- Tighten the screws, taking care to prevent the earthing tag (8) from turning, as this will strain or break the earthing flex. Do not overtighten the screws or the pedestal will crack.
- Do not fit the contact blade at this stage.**



3

- Place the armature spring into the coil housing with its large diameter towards the coil.

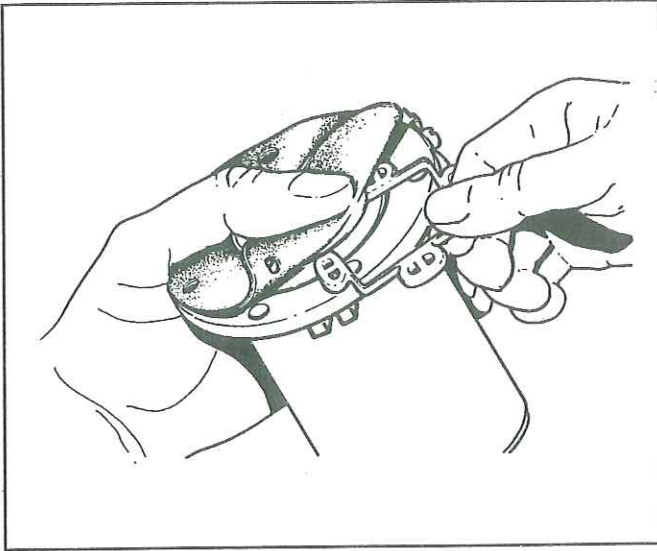
- Before fitting the diaphragm, make sure that the impact washer (1) is fitted to the armature. (This is a small neoprene washer that fits in the coil recess.) Do not use jointing compound or dope on the diaphragm.
- Fit the diaphragm by inserting the spindle into the hole in the coil and screwing it into the threaded trunion in the centre of the rocker assembly.
- Screw in the diaphragm until the rocker will not 'throw over'; this must not be confused with jamming the armature on the coil housing integral steps.
- On later-type rocker mechanisms with adjustable fingers, fit the contact blade and adjust the finger settings, then carefully remove the contact blade.



4

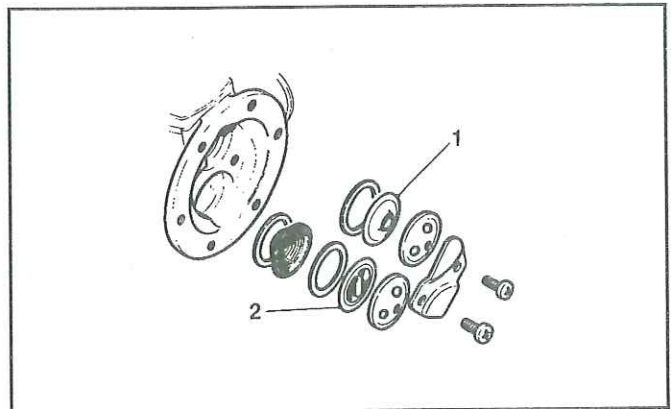
- Holding the coil housing assembly in the left hand in an approximately horizontal position, push the diaphragm spindle in with the thumb of the right hand, pushing firmly but steadily.
- Unscrew the diaphragm, pressing and releasing with the thumb of the right hand until the rocker just 'throws over'.
- Now turn the diaphragm back (unscrew) to the nearest hole and again a further four holes (two-thirds of a complete turn). The diaphragm is now correctly set.

Electric Fuel Pump: Reassembly



- (a) Place the outlet valve assembly (tongue-side uppermost) in the recess marked 'outlet'. Place a joint washer on top of the valve assembly and complete this part of the assembly by adding the outlet nozzle.
- (b) Place the inlet valve assembly (tongue-side downwards) in the recess marked 'inlet'. Follow this with a joint washer, then the filter (dome side upwards), then another joint washer, completing the assembly with the inlet nozzle.
- (c) Take care that both assemblies settle down evenly into their respective recesses. Position the nozzles as required, place the clamp plate on top, and tighten down firmly onto the body with the two 2 BA screws.

AUF 300/AZX 1300 and Dual Types Only

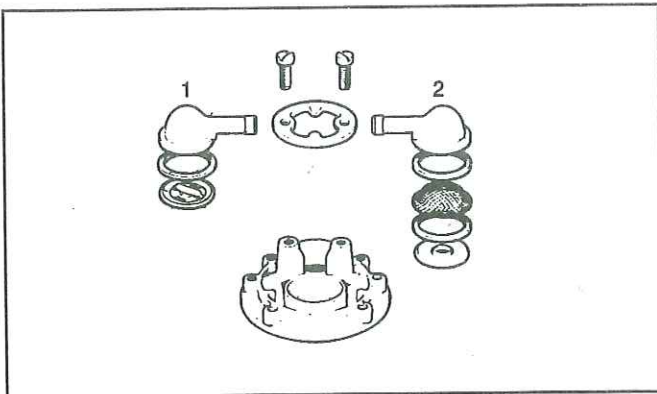


5

- (a) Fit the armature guide plate, flat face towards the diaphragm, by turning back the diaphragm edge and inserting an end lobe into the recess between the armature and the coil housing.
- (b) Follow this process until all four lobes are approximately in position, then press each lobe firmly home finishing with the two end ones. The latter instruction is important in order to avoid distortion of the connecting arms between the lobes.

6

AUF 200/AZX 1200 Type Only



In this range of pumps, the inlet (2) and outlet (1) valves are identical assemblies and are held in position in the one-piece body casting by a steel spring clamp plate secured by two 2 BA screws. This plate also secures the inlet and outlet nozzles, including the filter, all of which are arranged to be accessible from the outside of the pump. The inlet recess is deeper than the outlet to allow for the filter and extra washer.

In this range of pumps the valve assemblies are retained internally in the body by a clamp plate secured with self-tapping screws. The inlet valve (2) recess in the body is deeper than the outlet (1) recess to allow for the filter and the extra washer.

Another feature of these pumps is the incorporation of an air bottle on the inlet and a flow-smoothing device on the delivery side.

The inlet air bottle is a chamber in the body casting blanked off by a simple cover and joint washer held in place by a single screw.

The delivery air bottle is formed by a flexible plastic diaphragm, separating the delivery chamber in the body from a sealed volume of air contained in the air bottle cover. This cover is secured by four screws and sealed by an O section sealing ring and joint washer.