



## 1.2 Keyboard : Disassembly for Repair

### 1.2.1 The keyboard assembly consists of three items:

- Silicon key mat
- Membrane
- Reaction plate

1.2.2 In order to separate the three parts, carefully peel back the mat from the edge of the reaction plate, starting at one corner and working around the assembly. It is possible that the mat may be damaged at this stage due to the application of excess glue at the production stage.

1.2.3 The assembly is now held together by three location dowels attached to the mat and protruding through undersized holes in the membrane and the reaction plate. To separate, slide the fingers of the left hand between the reaction plate and the membrane and using a grub screwdriver push the first dowel out of its aperture. Repeat the procedure for the other two dowels and lay aside the reaction plate. Separate the membrane from the key mat by lifting one edge and using the fingers to ease the three dowels away from the membrane.

## 1.3 RAM/EPROM Packs : Disassembly for Repair

1.3.1 Each pack is sealed into a case consisting of a top and a bottom cover. Two press-studs on the top cover locate into the bottom cover and four studs projecting from the bottom cover are swaged to the top cover. To separate the two parts of the assembly lift the edge of the top cover secured by the press studs and insert a screwdriver between the covers. Taking care not to touch the circuit board, lever the top cover off the swaged studs. Discard both cover sections.

## 1.4 LCD Display

1.4.2 The display is not repairable.

## 2. ASSEMBLY

2.1 Assembly of the Z88 and its component parts is in general the reverse of disassembly. Points to watch are set out below.

2.2 **Keyboard :** Use a pair of tweezers to manoeuvre the keypad dowels into the holes in the reaction plate. Before applying superglue to the keypad make sure the keyboard is assembled completely. Apply glue sparingly in the crack between the silicon keypad and the reaction plate strut. Apply a few spots of glue only to the right-hand and left-hand edges but glue all the way along the front of the wide section which locates above the cartridge flap.

2.3 **Ribbon Connectors** : Take the ribbon cable between the thumb and fore-finger and push the cable into the connector socket.

2.4 **Cartridge Flap** : It is possible that the clear polycarbonate plastic flap becomes disengaged from the case. Replace by first inserting the right-hand switch operator end into the slot provided and then bend the left-hand lug inwards until it is possible to press it home.