



## How to change a main cylinder

## OMEGA SERIES 1000-1001

### Replacement/ removal of main cylinder

**N.B.** Before undertaking any work, switch off the power supply to the machine and unplug the machine from the electricity supply

1. Remove P-clip securing flexible conduit onto head (pic 1).
2. Loosen the heat plate release lever (pic 2 - a), then using a 4mm allen key loosen the (x4) countersunk allen bolts (pic 2 - b).
3. Remove the heat plate and place onto the right hand table, then remove the heat plate release lever.
4. Remove the eight screws securing the rear cover plate and then release air pressure in back box by moving the air release handle from left to right (pic 3).
5. This should lower the heat plate mount, if not gently prise it from sleeve with a flat bladed screwdriver (pic 4).
6. Using a 5mm allen key remove two screws securing the anti-rotation bracket (pic 5).
7. Using a 6mm allen key remove large grub screw/ cover from arm front (pic 6), then using a 4mm allen key remove the inner grub screw (not shown) to allow the cylinder sleeve to be removed.
8. Using a 3mm allen key remove the heat plate Mount retaining screw (pic 7-a) and remove mount by rotating clockwise (pic 7-b).
9. Using a 3mm allen key remove the instrument box lid.
10. Remove the two air pipes attached to the cylinder (pic 8).
11. Using a pin wrench remove the cylinder sleeve cap and lift main cylinder through top of instrument box (pic 9).

### Reinstallation of replacement Main Cylinder

1. Installation is a reversal of removal

**N.B.** The retaining thread has been pre drilled to take the inner grub Screw (pic 6). Should the hole in the sleeve not line up with this you will need to drill through the sleeve with a 6.5mm drill bit (once assembled) to take the M8 screw. After reassembling the heat plate mount, use a 5mm drill bit to 'spot thread' through the hole in the mount, then remove the mount, and using a 6mm drill bit, drill into the thread (where spotted). Finally reassemble the heat plate mount and replace the grub screw (pic 7).

