

DK12 - probe outer diaphragm replacement kit

THE PARTS CONTAINED IN THIS KIT ARE GENUINE RENISHAW
REPLACEMENTS PARTS FOR THE MP12 PROBE

WARNING : NEVER ATTEMPT TO REMOVE 'O' RINGS WITH METAL IMPLEMENTS.

The probe mechanism is protected by two diaphragms, these provide adequate protection under normal working conditions. The user should periodically check inside the outer diaphragm, for signs of machine coolant leakage. If this is evident replace the outer diaphragm.

If the diaphragm is subject to constant immersion in certain coolants, chemical action may cause the diaphragm to become brittle. In these circumstances the outer diaphragm must be inspected every 6 months.

Do not remove the inner diaphragm. If this is damaged, return the probe to your supplier for repair.

DIAPHRAGM INSPECTION

1. Remove stylus.
2. Unscrew locking ring, using special spanner.
3. Remove outer diaphragm by gripping diaphragm near rim and pulling upwards.
4. Inspect inner diaphragm for damage.
IF DAMAGED RETURN PROBE TO SUPPLIER FOR REPAIR.
5. Inspect outer diaphragm for damage and coolant entry. If either is evident, renew diaphragm.

OUTER DIAPHRAGM REPLACEMENT

1. Lubricate diaphragm centre hole.
2. Hold diaphragm correct way up (see illustration opposite) and push stylus ball through hole in diaphragm.
3. Screw stylus with loose diaphragm, into probe stylus holder.
4. Push centre of diaphragm down stylus and into groove in stylus holder. Ensure it fits without wrinkles and without trapping folds of material. Remove stylus.
5. Ensure outer rim of diaphragm fits neatly into position.
6. Lubricate locking ring and screw into position. Hand tighten, using special spanner.
7. Check installed diaphragm for distortion. If distorted, pull diaphragm centre away from stylus holder to allow air to escape, then push diaphragm back into holder.
8. Fit stylus.

