

INSTRUCTIONS FOR REPLACEMENT OF EBSRAY RX10 PUMPSET ELECTRICAL LEAD

CAUTION

INSTALLATION AND SERVICING OF THIS EQUIPMENT SHOULD BE PERFORMED BY QUALIFIED COMPETENT PERSONNEL IN ACCORDANCE WITH RELEVANT STANDARDS, CODES, REGULATIONS AND SITE RESTRICTIONS, IN CONJUNCTION WITH THESE INSTRUCTIONS.

Replacing the electrical lead assembly must be carried out strictly in accordance with these instructions, the pumpset must not be dismantled any further than as described herein.

In order to prevent dislodgement of the lower pump assembly and the internal components of the pumpset, the tubular Outer Casing must be secured in such a way that it is not crushed or distorted and the Lower Pump Assembly must not be allowed to fall out or be dislodged from its position in the Outer Casing. **Note: Do not clamp Lower Pump Assembly**

PROCEDURE FOR CHANGING LEAD (Refer Figures 1 and 4)

1 TO REMOVE LEAD

- 1 Remove the Anti Tamper Seal then unscrew and remove the four cap head setscrews and spring washers from the Connector Housing (item 800).
- 2 Bend leads over edge of Connector Housing and hold securely to ensure that Plug end remains in Connector Housing during removal. Carefully remove Connector Housing/Lead Assembly ensuring Outer Casing (item 88) remains firmly seated on Lower Pump Assembly.
- 3 Using a suitable drift, drive Plug and Lead out of Connector Housing.
- 4 Remove the two O rings, Items 680 and 780 (New O rings must be fitted each time the Connector Housing is refitted)

2 INSPECT

- 1 If the 3/4" NPT compression fitting was removed, inspect the 3/4" NPT threads in the Connector Housing. Replace the Connector Housing if these threads are damaged. Do not attempt to repair these threads.
- 2 Inspect the lead bore in the Connector Housing. Replace Connector Housing if this bore is damaged.

3 TO REPLACE LEAD

- 1 Ensure Connector Housing is clean.
- 2 Fit a new O ring (item 780) to the Connector Housing.
- 3 Carefully feed the new leads through the connector housing ensuring that they are not damaged or cut by any sharp edges.
- 4 Align lug on Plug end with notch in Connector Housing (refer Figures 2 and 3) and push Plug in until completely seated.
- 5 Fit a new O ring (item 680) to the Lead Assembly Housing. (item 600)
- 6 Locate guide ring (item 87) on Connector Housing then fit Connector Housing ensuring that the Dowel Pin locates correctly.
- 7 Push or tap Connector Housing down until setscrews can be engaged by hand at least three threads. Evenly tighten the setscrews until Connector Housing is firmly seated. **Tighten to a torque of 16 NM.**
- 8 Ensure that inlet centreline identification marks are still in alignment (Refer Figure 1)
- 9 Ensure that the resistance between the leads and the pump casing in excess of 20 MΩ. Replace lead as required.

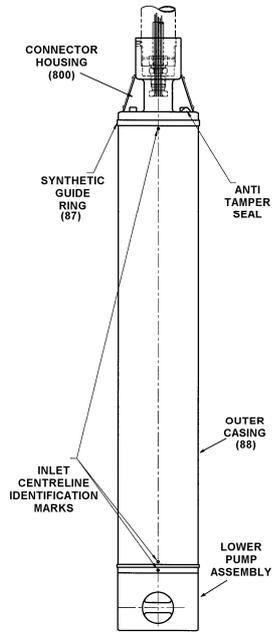


Figure 1



Figure 2

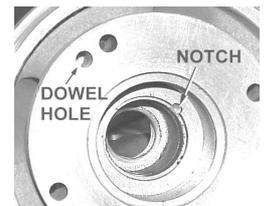


Figure 3

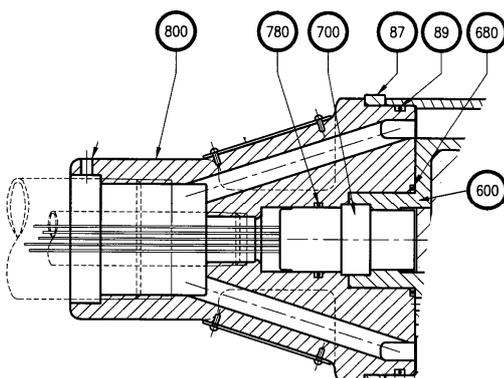


Figure 4