

DS-10-AF-KR MicroMini Marker

Dismantling And Repair Procedure

1. Shut-off the ink line and cycle marker 1-2 times to purge any ink remaining in the marker.
2. Disconnect the ink line (using a 7/16" wrench) and both air lines.
3. Remove Power Chamber #21 (using flat head screwdriver).
Remove the Shut-Off Spring #19 from inside the power Chamber.
4. Carefully remove Piston/Needle Assembly by pulling straight out from the opened back-end of the Packing Screw #13.
5. Remove Hex Retainer #1 (using a 9/16" wrench) from the front of the marker.
6. Remove Fluid Nozzle #3 and Air Cap #2, clean and set aside for re-assembly.
7. Remove the Fluid Nozzle "O" Ring #4, discard and replace.
8. Check Marker Body #5 for: (a) Ink build-up in Fluid Chamber. (b) Presence of ink in Packing Chamber. This can be determined by the presence of ink in the Power Chamber #21 or at the Bleeder Hole.
9. If there is ink build-up in Fluid Chamber, clean out using Dell Marking Systems' recommended clean-up solvent. Also, check to make sure there are no restrictions in Ink Fitting #9 orifice.
10. If ink is present in Packing Chamber, rebuild marker using Dell Marking Systems' 1018 Repair Kit. (a) Slowly remove Packing Screw #13 (using 3/8" nut driver). Packing spring is compressed. (b) Remove two Packing Glands #11 and set aside for re-assembly. Discard and replace Packing Spring #12 and four Teflon Packings #10.
11. If ink is present in Power Chamber #21, clean chamber with Dell Marking Systems' recommended clean-up solvent and replace "O" Ring #14 and Piston Seal #16.
12. After cleaning all parts thoroughly, re-assemble. Refer to the Dell Marking Systems' DS-10 Repair Video for additional help.

