

## Agilent 1100/1200 UV-based Purification System Seminar Lab Exercises

### Easy Maintenance and Repair Procedures for the Dual Loop Autosampler

1. Take a Dual Loop Autosampler (DLA). Connect to Chemstation, Lab Advisor or a control module.
2. Replace the rotor seal of the DLA as described on **page 114** of the DLA Service Handbook.
3. Remove the metering head and take it apart. Note the orientation of the different parts (RFID tag, solvent connections). Reassemble and reinstall the metering head. This Procedure is described on **page 96** of the DLA Service Handbook.
4. Practice the replacement of the buffer loop. While the needle is removed, inspect it for buffer residues and damage. Clean or replace it if necessary. See **page 85** of the DLA Service Manual for details.
5. **Read page 89** of the DLA Service Handbook. Remove the needle seat and familiarize yourself with the orientation and the replacement of the seat capillaries.

### Advanced Repairs of the Dual Loop Autosampler

1. Connect power cable and to the DLA.
2. Using the Maintenance functions, move the needle arm to the "Change needle/seat" position.
3. Unplug the power cord. Remove plastic cover, metal top cover and top foam from the DLA.
4. Remove and reinstall the leak sensor (that's possibly the worst off all common repairs). Follow the procedure on **page 142** of the DLA Service Manual.
5. After alls parts have been reinstalled, connect mains and Control Module and run the transport unit self alignment procedure as described on **page 68** of the DLA Service Handbook.



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## **Chemstation Control of the Dual Loop Autosampler**

1. Make yourself familiar with the Method parameters of the G2258A
  - Change from injection loop (upper/lower)
  - Flush
  - Full loop/ partial loop...
2. Make yourself familiar with the control/configuration functions