

## AU5800 Monthly Maintenance

Step	Action
1	<b>Clean the Sample Probe, Reagent Probe and the Mix Bar Wash Wells</b>
2	<b>Clean the Wash Nozzle Unit, Check the Tube Mounting Joints and Clean the DI Water Tank, DI Water and Sample Probe Filters</b>

### For Training Purposes Only

These job aids are shortened versions of the procedures found in the source below. The procedures are listed in the order to perform them in the most efficient manner. Where it is possible, procedures have been combined for efficiency. The optional ISE module has references for two flow cells. Information in the job aid is correct as of the date published. Verify you have the correct information. Part numbers for supplies required for the maintenance procedures are found in the reference listed below.

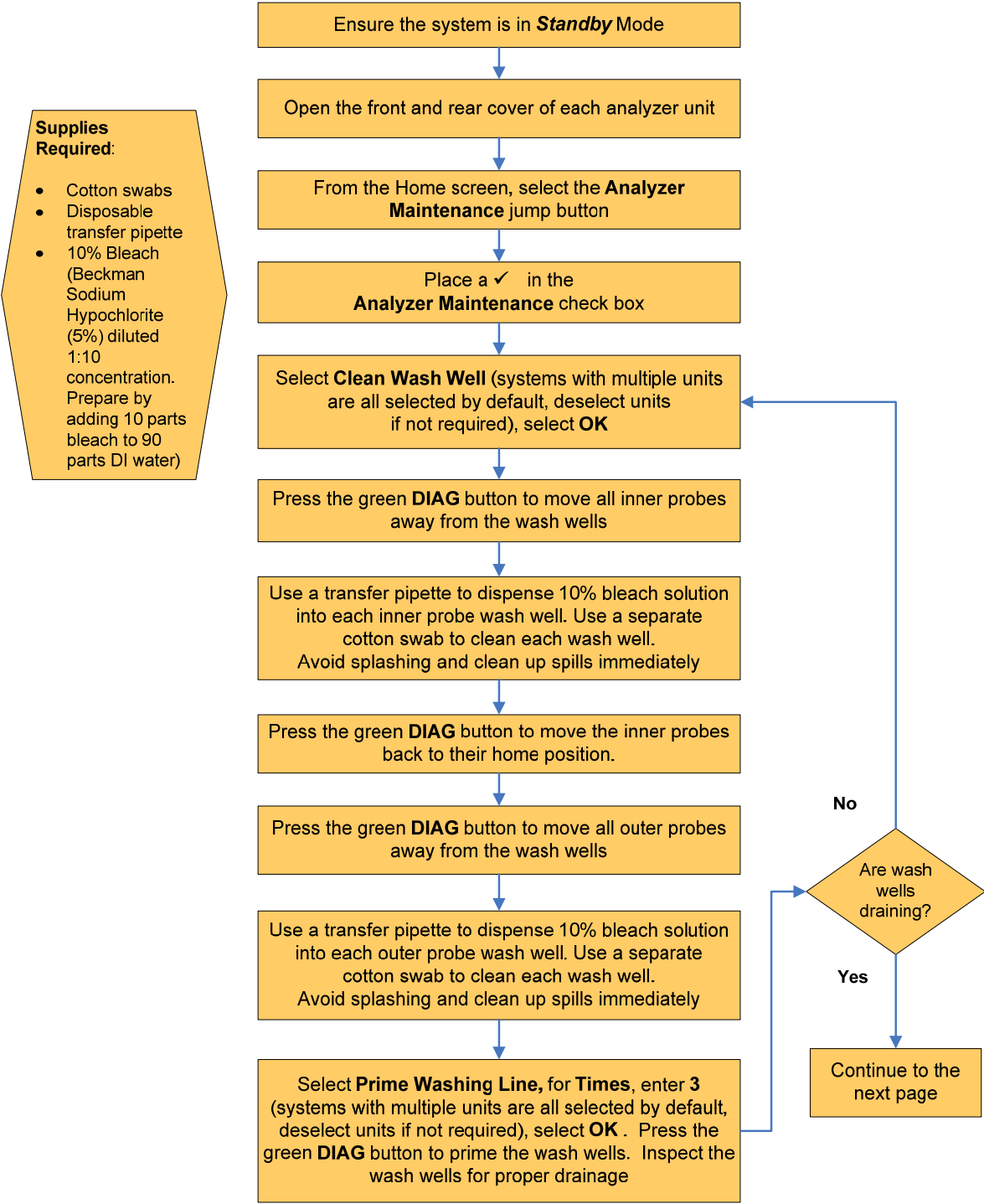
Source: AU5800® Chemistry Analyzer User's Guide PN A98352AB (October 2012)

## Document Disclaimers

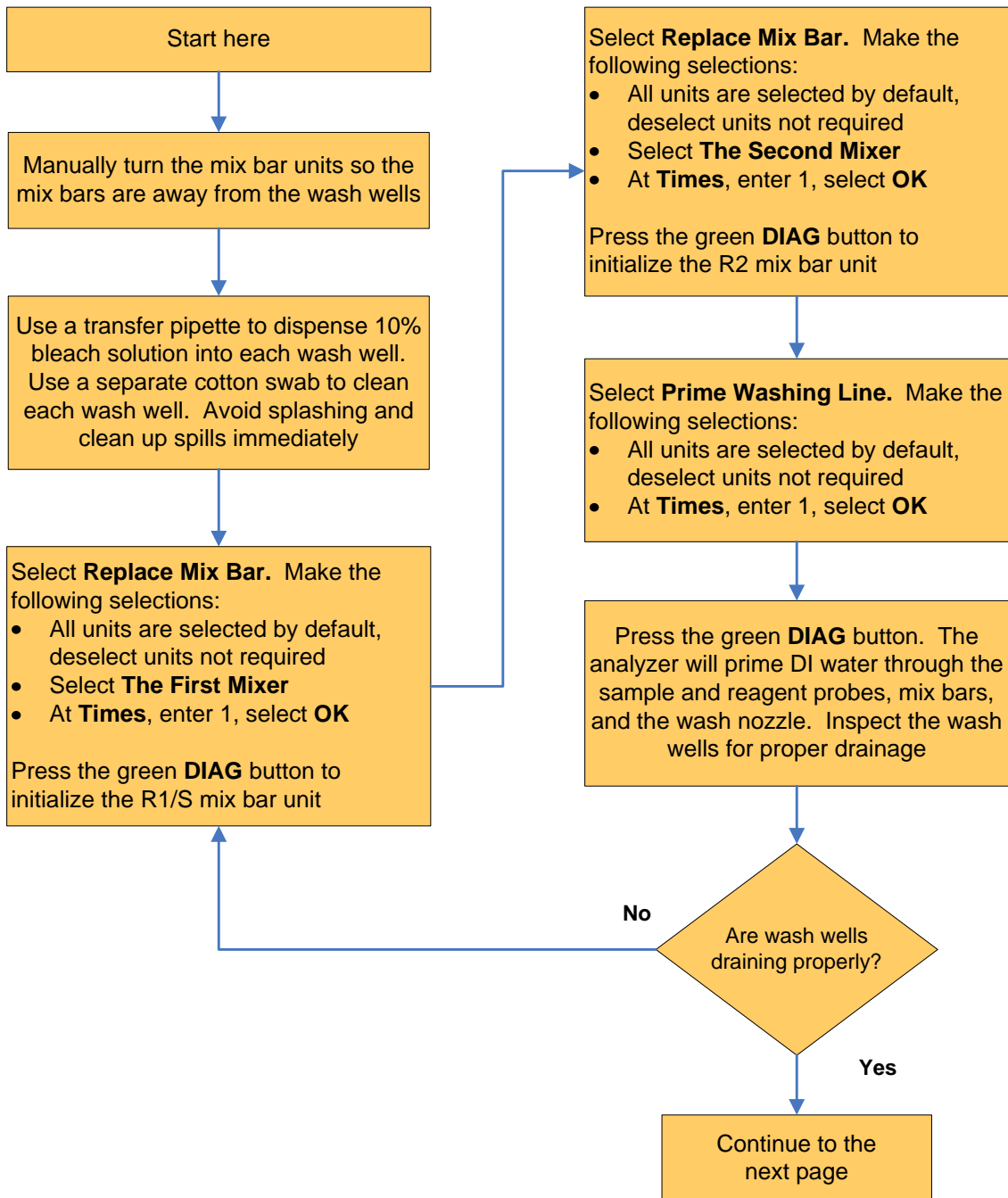
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<b>Revision Status</b>	Rev. A (May 2013) Software version 4.11
<b>Trademarks</b>	AU5800® Chemistry Analyzer

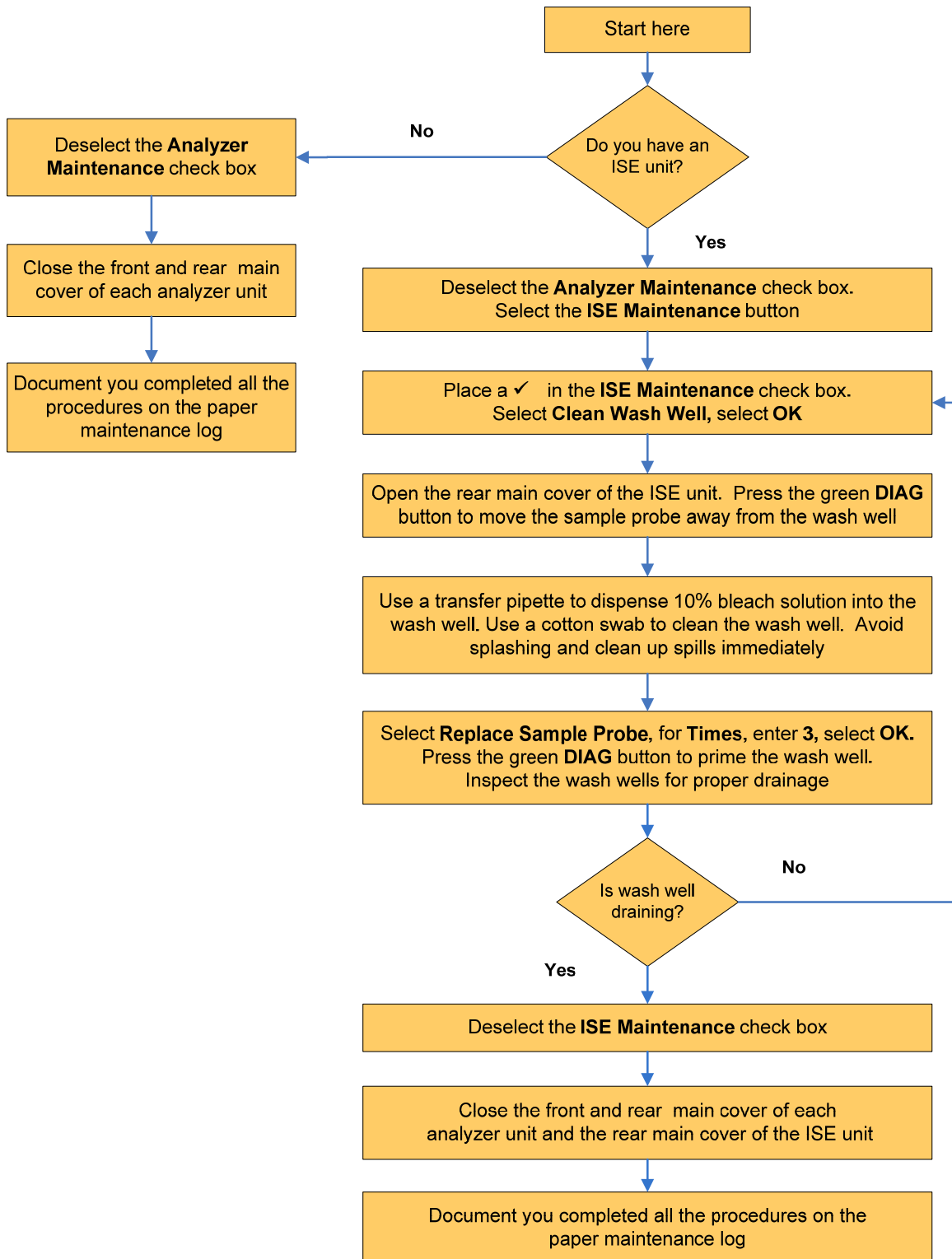
## Clean the Sample Probe, Reagent Probe and Mix Bar Wash Wells



Clean the Sample Probe, Reagent Probe and Mix Bar Wash Wells continued page 2



Clean the Sample Probe, Reagent Probe and Mix Bar Wash Wells continued page 3



**Clean the Wash Nozzle Unit, Check the Tube Mounting Joints,  
Clean the DI Water Tank, DI Water and Sample Probe Filters**

Perform this procedure on each analyzer unit.  
Ensure the system is in **Standby** Mode. Open the rear main cover of each analyzer unit

From the Home screen, select the **Analyzer Maintenance** jump button

Place a  in the **Analyzer Maintenance** check box

Select **Replace Wash Nozzle**, (systems with multiple units are all selected by default, deselect units if not required), select **OK**. Press the green **DIAG** button to drain the liquid from the tubing

Always drain the fluid from the wash nozzle before removing the tubing to avoid spills in the cuvette wheel

Deselect the **Analyzer Maintenance** check box, select **Home**. From the Home screen, select the **End Process** button

Open the front right door on each analyzer unit. Place a basin on the floor in front of the DI Water tank to catch spilled water. Disconnect the float sensor connector #795

Be sure to remove the sensor connector to prevent water from pouring out of the DI water tubing

Press the grey quick disconnect joints on the front of the tank, remove the tubings from the front of the tank

Pull the DI water tank forward and pull out the tubings from the top of the tank. Wrap the tubings with a dry clean lint-free cloth (1 tube has the DI water filter attached)

Pull the DI water tank out of the analyzer. Unscrew and remove the float sensor from the DI water tank, wipe the float sensor with DI water, then wipe the float sensor dry with a dry clean lint free cloth. Install the float sensor in the spare DI water tank containing 5 L of DI water

Avoid pulling the DI water tank by the front valves

Discard the DI water from the tank you removed from the analyzer and rinse the tank with the 20% bleach solution. Rinse the tank thoroughly with DI water and allow to dry

Locate the filter on the DI water supply tubing removed from the tank. Position the tubing over the basin and unscrew the filter case, remove the filter and allow the water to drip

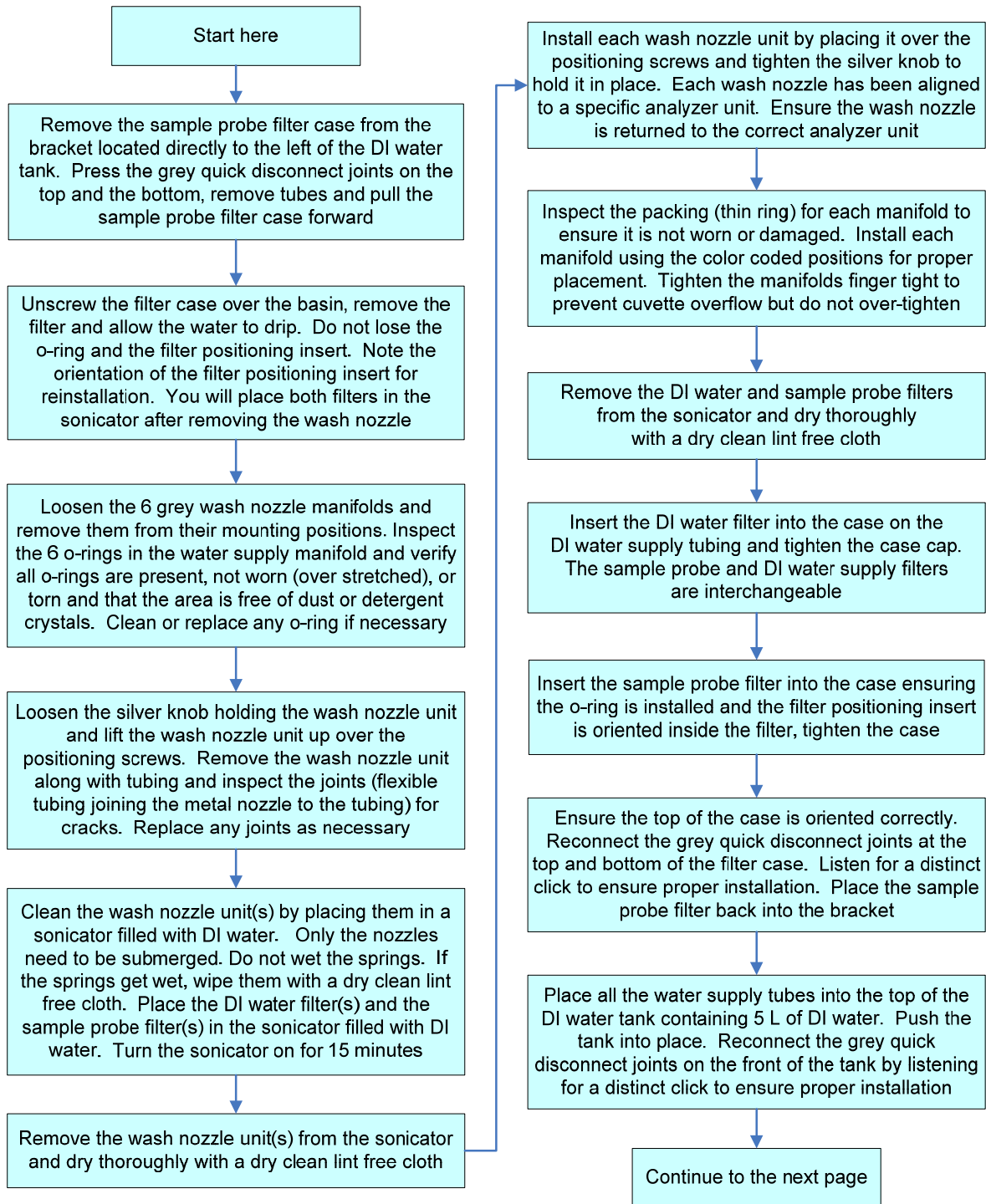
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**Supplies Required:**

- Dry clean lint free cloth
- Basin
- 20% Bleach (Beckman Sodium Hypochlorite (5%) diluted 1:20. Prepare by adding 20 parts bleach to 80 parts DI water)
- DI water tank filled with 5 L of DI water
- Sonicator with DI water

Note: A sonicator is recommended for cleaning the nozzles but if one is not available, clean the nozzles with the supplied stylet and DI water

**Clean the Wash Nozzle Unit, Check the Tube Mounting Joints,  
Clean the DI Water Tank, DI Water and Sample Probe Filters** continued page 2



**Clean the Wash Nozzle Unit, Check the Tube Mounting Joints,  
Clean the DI Water Tank, DI Water and Sample Probe Filters** continued page 3

