

## MILLENIUM % REJECTION DISPLAY BOARD EVALUATION/REPLACEMENT

### Equipment Required:

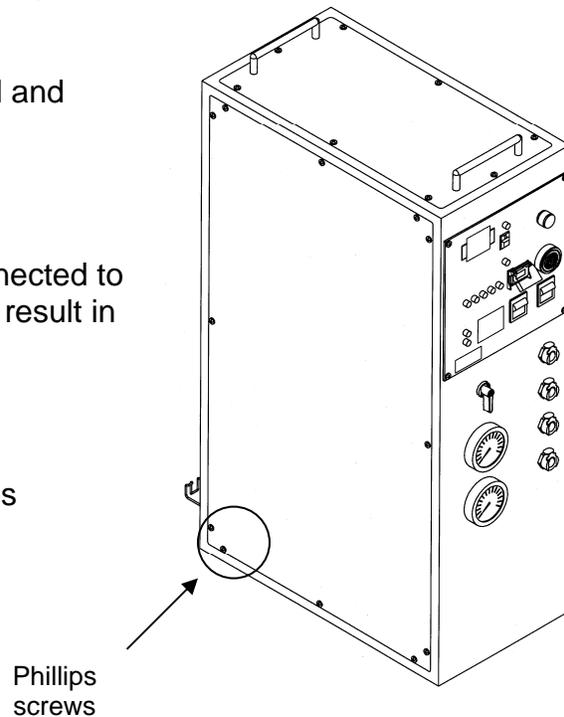
- #2 Phillips and flat blade screwdrivers.
- 5/16" Nut Driver
- Sensors (ME12131)
- % Rejection Display Board (ME12310)
- Conductivity Display Board (ME12312)
- Temperature Thermistor (ME20178)

### Initial Preparation

1. Turn off Millenium.
2. Turn off water supply at source.
3. Briefly turn ON the Inlet Water Valve switch. Allow system (including if present carbon tank(s), softener, pre-filter housing, etc.) to fully depressurize.
4. Disconnect water lines: Product, Feed and Waste.
5. Unplug power cord.

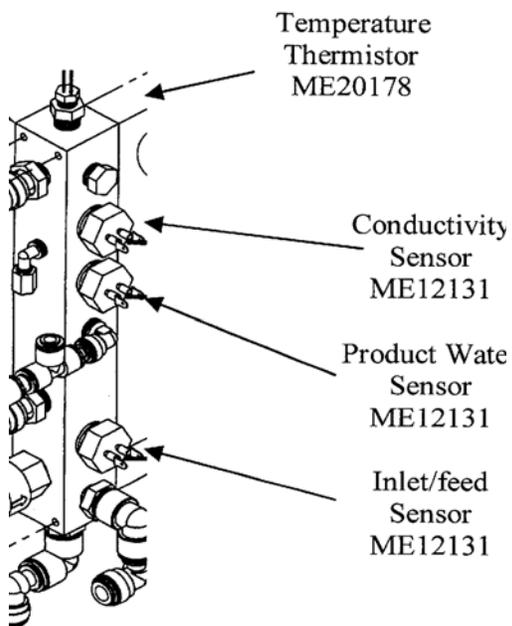
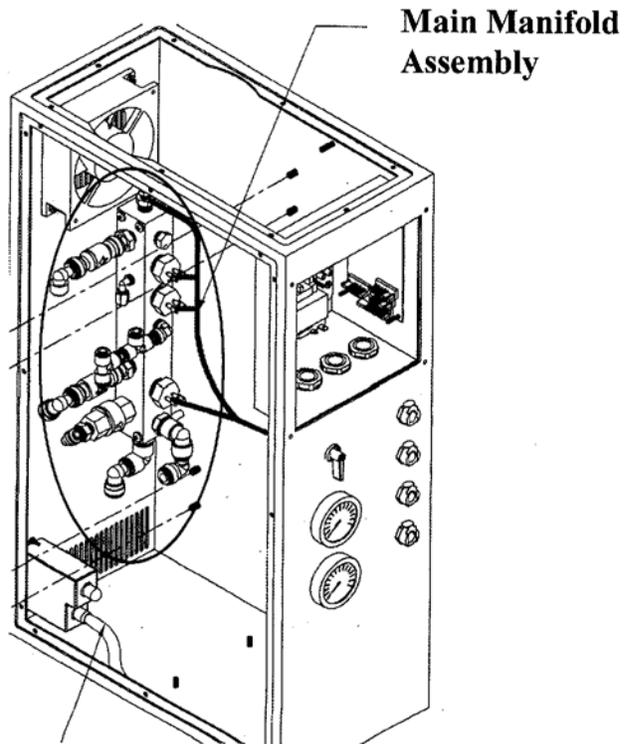
**WARNING:** Ensure power cord is disconnected to prevent risk of electric shock, which could result in injury or death.

6. Remove Millenium from cart.
7. Remove large side panel cover (Phillips screwdriver).



## % REJECTION DISPLAY BOARD EVALUATION PROCEDURE

1. Locate the main manifold assembly.
2. Plug the GFI power cord into the wall socket and turn-on the black power switch located on the lower right corner of the back panel of the RO.
3. Start the RO machine per normal procedures. Product water and waste water should be running to drain. (Meaningful evaluation requires the machine to be in operation for the tests below.)
4. Using a flat blade screwdriver, short across the two leads of the product water sensor. If the sensor is working correctly, none of the % rejection lights will be lit while the sensor is shorted out.



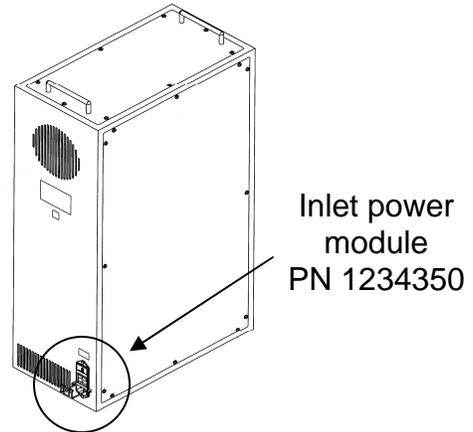
5. Using a flat blade screwdriver, short across the two leads of the Inlet/feed sensor. If the sensor is working correctly, all of the % rejection lights on the front of the panel should illuminate immediately.
6. Disconnect one wire from the Inlet/feed sensor. The % rejection lights should be OFF. If the % rejection lights stay on, replace the inlet feed sensor.
7. Disconnect one wire from the product water sensor. All % rejection lights should be ON. If some or none of the lights are on, replace the % Rejection Display Board.

## % REJECTION DISPLAY BOARD REPLACEMENT PROCEDURE

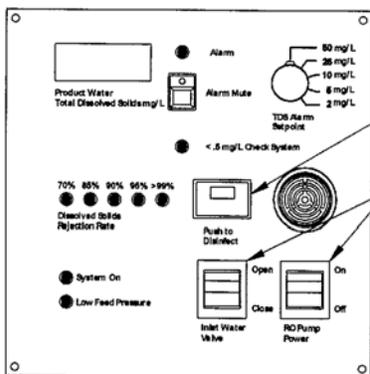
1. Disconnect the power cord from the outlet power module, found on the lower right corner of the back of the RO.

**WARNING:** Ensure the power cord is disconnected to prevent risk of electrical shock, which can result in death.

2. Remove the Phillips screws from the control panel cover and remove the panel cover.
3. Locate the % rejection display board and unplug the wire connectors.

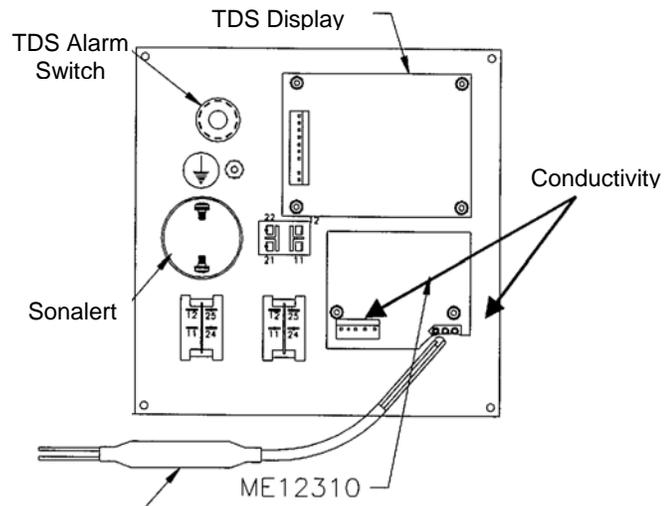


Control Panel (Front View)



Disinfect Switch  
Inlet Water Valve Switch & RO Pump Switch

Control Panel (Back View)



4. Loosen and remove the two retaining nuts and remove the % rejection display board.
5. Install the new % rejection board in reverse order from disassembly.
6. Prepare for leak testing, restore water and power connections, and then reference:

**Tech Note 207 - MILLENNIUM START-UP PROCEDURE**