



# SEA-BIRD ELECTRONICS, INC.

13431 NE 20th St. Bellevue, Washington 98005 USA

Phone: (425) 643-9866 Fax: (425) 643-9954 www.seabird.com

<b>Service</b>
<b>Report</b>

**RMA Number**

67585

## Customer Information:

<b>Company</b>	US Department of Commerce, NOAA	<b>Date</b>	4/2/2012
<b>Contact</b>	Ulises Rivero		
<b>PO Number</b>	Credit Card		

<b>Serial Number</b>	431666
<b>Model Number</b>	SBE 43

## Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

## Problems Found:

1. An anode assembly failure was found.  
The membrane was punctured or torn.

## Services Performed:

1. Performed initial diagnostic evaluation.
2. Replaced the SBE 43 Anode sub assembly.
3. Replaced the SBE 43 Getter sub assembly.
4. Installed NEW board mounted battery.
5. Replaced the lid and membrane assembly (0.5 mil).
6. Replaced the electrolyte with new fluid.
7. Performed internal inspection and O-ring replacement.
8. Performed hydrostatic pressure test.
9. Performed "Final" calibration of the oxygen sensor.

## Special Notes:

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<b>Contact</b>	Ulises Rivero		
<b>PO Number</b>	Credit Card		

<b>Serial Number</b>	432083
<b>Model Number</b>	SBE 43

### Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

### Problems Found:

1. Will replace the anode with the new style peroxide morrison seal.

### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the SBE 43 Anode sub assembly.
4. Performed internal inspection and O-ring replacement.
5. Performed hydrostatic pressure test.
6. Performed "Final" calibration of the oxygen sensor.
7. Performed full diagnostic evaluation.

### Special Notes:

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<b>Company</b>	US Department of Commerce, NOAA	<b>Date</b>	4/2/2012
<b>Contact</b>	Ulises Rivero		
<b>PO Number</b>	Credit Card		

<b>Serial Number</b>	432085
<b>Model Number</b>	SBE 43

### Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.

### Problems Found:

1. No post cal possible. An anode/getter failure was found. Will replace the spar, anode, getter, board, and the main piston O-rings.

### Services Performed:

1. Performed initial diagnostic evaluation.
2. Replaced the SBE 43 electronic board set.
3. Replaced the SBE 43 Anode sub assembly.
4. Replaced the SBE 43 Getter sub assembly.
5. Replaced the SBE 43 SPAR sub assembly.
6. Replaced the lid and membrane assembly (0.5 mil).
7. Replaced the electrolyte with new fluid.
8. Performed internal inspection and O-ring replacement.
9. Performed hydrostatic pressure test.
10. Performed "Final" calibration of the oxygen sensor.
11. Performed full diagnostic evaluation.

### Special Notes:

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