



# 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**

57808

### Customer Information:

<b>Company</b>	US Department of Commerce, NOAA	<b>Date</b>	3/9/2010
<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	031075
<b>Model Number</b>	SBE 03-02/F

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	031609
<b>Model Number</b>	SBE 03-02/F

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	03P2946
<b>Model Number</b>	SBE 03Plus

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	03P2958
<b>Model Number</b>	SBE 03Plus

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	03P5140
<b>Model Number</b>	SBE 03Plus

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	03P5171
<b>Model Number</b>	SBE 03Plus

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	041335
<b>Model Number</b>	SBE 04-02/0

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

### Special Notes:

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### Customer Information:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	041346
<b>Model Number</b>	SBE 04-02/0

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

### Special Notes:

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### Customer Information:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	041374
<b>Model Number</b>	SBE 04-02/0

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

### Special Notes:

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### Customer Information:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	041387
<b>Model Number</b>	SBE 04-02/0

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	043657
<b>Model Number</b>	SBE 04C

### Services Requested:

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

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.

### Special Notes:

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### Customer Information:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	430140
<b>Model Number</b>	SBE 43

### Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.
3. Perform full refurbishment of the sensor.

### Problems Found:

1. An anode assembly failure was found.

### Services Performed:

1. Performed initial diagnostic evaluation.
2. Replaced the lid and membrane assembly (0.5 mil).
3. Replaced the SBE 43 Anode sub assembly.
4. Installed NEW board mounted battery.
5. Replaced the electrolyte with new fluid.
6. Replaced the SBE 43 SPAR sub assembly.
8. Backfiled the pressure compensation bag with saline solution.
9. Performed "Final" calibration of the oxygen sensor.
10. Performed full diagnostic evaluation.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	430154
<b>Model Number</b>	SBE 43

### Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.
3. Perform full refurbishment of the sensor.

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the lid and membrane assembly (0.5 mil).
4. Replaced the electrolyte with new fluid.
5. Backfiled the pressure compensation bag with saline solution.
6. Performed "Final" calibration of the oxygen sensor.
7. Performed full diagnostic evaluation.

### Special Notes:

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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	431266
<b>Model Number</b>	SBE 43

### Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.
3. Perform full refurbishment of the sensor.

### Problems Found:

1. The membrane was punctured or torn.

### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the lid and membrane assembly (0.5 mil).
4. Replaced the electrolyte with new fluid.
5. Backfiled the pressure compensation bag with saline solution.
6. Performed "Final" calibration of the oxygen sensor.
7. Performed full diagnostic evaluation.

### Special Notes:

\* These services were performed at no charge.



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<b>Contact</b>	Carlos Fonseca		
<b>PO Number</b>	TBD		

<b>Serial Number</b>	431348
<b>Model Number</b>	SBE 43

### Services Requested:

1. Evaluate/Repair Instrumentation.
2. Perform Routine Calibration Service.
3. Perform full refurbishment of the sensor.

### Problems Found:

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### Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the lid and membrane assembly (0.5 mil).
4. Replaced the electrolyte with new fluid.
5. Backfiled the pressure compensation bag with saline solution.
6. Performed "Final" calibration of the oxygen sensor.
7. Performed full diagnostic evaluation.

### Special Notes:

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