

Service
Report

RMA Number	45580
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Customer Information:

Company	US Department of Commerce, NOAA	Date	2/26/2007
Contact	Carlos Fonseca		
PO Number	1708		

Serial Number	031075
Model Number	SBE 03-02/F

Services Requested:

1. 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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SEA-BIRD ELECTRONICS, INC.

1808 - 136th Place Northeast, Bellevue, Washington 98005 USA

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

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 041335

Model Number SBE 04-02/0

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

1. The cell was found cracked on the connector side of the sensor.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.
3. Replaced the conductivity cell.
4. Performed internal inspection and O-ring replacement.
5. Performed hydrostatic pressure test.
6. Performed "Final" calibration of the conductivity sensor.

Special Notes:



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RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 031609

Model Number SBE 03-02/F

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 430154

Model Number SBE 43

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

1. Performed initial diagnostic evaluation.
2. Replaced the lid and membrane assembly. *
3. Replaced the electrolyte with new fluid. *
4. Performed "Final" calibration of the oxygen sensor.
5. Backfilled the pressure compensaion bag with saline solution. *
6. Performed full diagnostic evaluation.

Special Notes:

We were unable to perform a "Post Cruise" calibration.

* These services have been performed at no charge.



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RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 430140

Model Number SBE 43

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

1. The membrane was found punctured/torn.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Replaced the lid and membrane assembly. *
3. Replaced the electrolyte with new fluid. *
4. Performed "Final" calibration of the oxygen sensor.
5. Backfiled the pressure compenstaion bag with saline solution. *
6. Performed full diagnostic evaluation.

Special Notes:

We were unable to perform a "Post Cruise" calibration.

* These services have been performed at no charge.

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 041347

Model Number SBE 04-02/0

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 041346

Model Number SBE 04-02/0

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:



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RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 031692

Model Number SBE 03-02/F

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:



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Service

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RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 042980

Model Number SBE 04C

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

1. The conductivity cell was found to be cracked at the center electrode.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.
3. Replaced the conductivity cell.
4. Performed internal inspection and O-ring replacement.
5. Performed hydrostatic pressure test.
6. Performed "Final" calibration of the conductivity sensor.

Special Notes:

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<div>Report</div>				
Customer Information:				
Company	US Department of Commerce, NOAA		Date	2/26/2007
Contact	Carlos Fonseca			
PO Number	1708			
Serial Number	042973			
Model Number	SBE 04C			
Services Requested:				
1. Perform Routine Calibration Service.				
Problems Found:				
Services Performed:				
1. Performed initial diagnostic evaluation.				
2. Performed "Post Cruise" calibration of the conductivity sensor.				
Special Notes:				



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RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 03P2958

Model Number SBE 03Plus

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 03P2946

Model Number SBE 03Plus

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 031701

Model Number SBE 03-02/F

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

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

Special Notes:

Service

Report

RMA Number

45580

Customer Information:

Company US Department of Commerce, NOAA

Date 2/26/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 430730

Model Number SBE 43

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the lid and membrane assembly. *
4. Replaced the electrolyte with new fluid. *
5. Performed "Final" calibration of the oxygen sensor. *
6. Backfilled the pressure compenstaion bag with saline solution. *

Special Notes:

* These services have been performed at no charge.



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Service

Report

RMA Number

45580A

Customer Information:

Company US Department of Commerce, NOAA

Date 3/1/2007

Contact Carlos Fonseca

PO Number 1708

Serial Number 041374

Model Number SBE 04-02/0

Services Requested:

1. Perform Routine Calibration Service.

Problems Found:

1. The conductivity cell was found cracked above the center electrode.
2. SBE-4's Output unstable. Found Amp I-2 shorted. Replaced I-2

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.
3. Replaced the conductivity cell.
4. Performed internal inspection and O-ring replacement.
5. Performed hydrostatic pressure test.
6. Performed "Final" calibration of the conductivity sensor.

Special Notes: