



SEA-BIRD ELECTRONICS, INC.

13431 NE 20th St. Bellevue, Washington 98005 USA

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

Service
Report

RMA Number

63008

Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	030997
Model Number	SBE 03-01/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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RMA Number	63008
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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	031008
Model Number	SBE 03-01/F

Services Requested:

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

Problems Found:

1. The temperature probe was found to have failed.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the temperature sensor.
3. Installed NEW temperature probe assembly. *
4. Performed internal inspection and O-ring replacement. *
5. Performed hydrostatic pressure test. *
6. Performed "Final" calibration of the temperature sensor.

Special Notes:

* These services were done at no charge.



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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	031364
Model Number	SBE 03-01/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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RMA Number	63008
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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	031366
Model Number	SBE 03-01/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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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	031367
Model Number	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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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	040497
Model Number	SBE 04-01/0

Services Requested:

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

Problems Found:

1. Anode has reached end of life.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the conductivity sensor.
3. Installed NEW zinc anode ring.

Special Notes:

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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	040670
Model Number	SBE 04-01/0

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:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	041018
Model Number	SBE 04-01/0

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:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	041030
Model Number	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:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	041070
Model Number	SBE 04-01/0

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:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	09P6012-0256
Model Number	SBE 09Plus

Services Requested:

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

Problems Found:

1. The housing has major pitting, which compromises structural integrity.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Installed NEW 6800 meter housing.
3. Performed internal inspection and O-ring replacement.
4. Performed hydrostatic pressure test.
5. Calibrated the pressure sensor.
6. Performed complete system check and full diagnostic evaluation.

Special Notes:

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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	430387
Model Number	SBE 43

Services Requested:

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

Problems Found:

1. Sensor had drifted out of spec. (Spec for drift is < 1% per month).

Services Performed:

0. Replaced the electrolyte with new fluid. *
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. Performed "Final" calibration of the oxygen sensor.
5. Performed full diagnostic evaluation.

Special Notes:

* These services were performed at no additional charge.



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Customer Information:

Company	Oregon State University	Date	3/28/2011
Contact	Dave O Gorman		
PO Number	S1180A		

Serial Number	430463
Model Number	SBE 43

Services Requested:

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

Problems Found:

1. The resolution was lower than expected.

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. Performed "Final" calibration of the oxygen sensor.
6. Performed full diagnostic evaluation.

Special Notes:

* These services were performed at no additional charge.