



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

51445

Customer Information:

Company	Oregon State University	Date	9/4/2008
Contact	Dave O Gorman		
PO Number	S0953A		

Serial Number	03P2327
Model Number	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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RMA Number

51445

Customer Information:

Company	Oregon State University	Date	9/4/2008
Contact	Dave O Gorman		
PO Number	S0953A		

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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RMA Number

51445

Customer Information:

Company	Oregon State University	Date	9/4/2008
Contact	Dave O Gorman		
PO Number	S0953A		

Serial Number	09P6012-0256
Model Number	SBE 09Plus

Services Requested:

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

Problems Found:

1. Both analog interface boards required replacement to match the new control, store - A/D card.
2. The CSAD board was found to be cracked and components U1 and U7 were missing from the logic board.
3. The backplane was found to have broken connector edges on the PCB.
4. The Sea-Cable interface assembly was found to have broken posts on the power supply.
5. The top end cap interface board had several damaged components and the ribbon cable was broken.
6. Modem would not fire bottles, component U10 and the EPROM were missing and have been replaced.
7. The three pin bulkhead connector located at JB2 was was found to have damaged threads.
8. The Digiquartz retainer plate was found to be cracked.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Installed NEW three pin bulkhead connector(s).
3. Installed NEW backplane with pump control via modmem standard, V2.
4. Installed NEW top card file assembly
5. Installed NEW Digiquartz retainer plate. *
6. Installed NEW Analog Interface Board.
7. Installed NEW SBE 9Plus CSAD card.
8. Installed NEW logic board.
9. Installed NEW Seacable Interface Assembly.
10. Performed internal inspection and O-ring replacement.
11. Performed hydrostatic pressure test.
12. Calibrated the pressure sensor.
13. Replaced anode(s).
14. Performed complete system check and full diagnostic evaluation.

Special Notes:

* The Digiquartz retainer plate was replaced at no charge.



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RMA Number

51445

Customer Information:

Company	Oregon State University	Date	9/4/2008
Contact	Dave O Gorman		
PO Number	S0953A		

Serial Number	430387
Model Number	SBE 43

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 oxygen sensor.
3. Performed full diagnostic evaluation.

Special Notes:

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