



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

54742

Customer Information:

Company US Department of Commerce, NOAA

Date 6/22/2009

Contact Carlos Fonseca

PO Number TBD

Serial Number 041346

Model Number SBE 04-02/0

Services Requested:

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

Problems Found:

1. The conductivity cell was found cracked above 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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Report

RMA Number

54742

Customer Information:

Company	US Department of Commerce, NOAA	Date	6/22/2009
Contact	Carlos Fonseca		
PO Number	TBD		

Serial Number	09P10779-0363
Model Number	SBE 09Plus

Services Requested:

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

Problems Found:

1. The six pin bulkhead connector located at JT2 was found to have bent pins.
2. The six pin bulkhead connector located at JT3 was found to have bent pins.
3. Pressure sensor readings were approximately 6 dbar for press and temperature was reading 38.4 C. Found U7 voltage converter on the AP counter card was heating up. Replaced U7, now I have 1.27 dbar for pressure and 22.36 C for temperature.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Installed NEW six pin bulkhead connector(s).
3. Performed internal inspection and O-ring replacement.
4. Performed hydrostatic pressure test.
5. Calibrated the pressure sensor.
6. Replaced anode(s).
7. Performed complete system check and full diagnostic evaluation.

Special Notes:

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Service

Report

RMA Number

54742

Customer Information:

Company US Department of Commerce, NOAA

Date 6/22/2009

Contact Carlos Fonseca

PO Number TBD

Serial Number 430730

Model Number SBE 43

Services Requested:

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

Problems Found:

1. Spar assembly failure due to impedance between the cathode and temp leads.

Services Performed:

1. Performed initial diagnostic evaluation.
2. Performed "Post Cruise" calibration of the oxygen sensor.
3. Replaced the SBE 43 SPAR sub assembly. *
4. Performed internal inspection and O-ring replacement. *
5. Performed hydrostatic pressure test. *
6. Performed "Final" calibration of the oxygen sensor.
7. Backfiled the pressure compensation bag with saline solution. *
8. Performed full diagnostic evaluation.

Special Notes:

* These services were performed at no charge.

Service

Report

RMA Number

54742

Customer Information:

Company US Department of Commerce, NOAA

Date 6/22/2009

Contact Carlos Fonseca

PO Number TBD

Serial Number 431266

Model Number SBE 43

Services Requested:

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

Problems Found:

1. Slow dry tau response found.
The resolution was lower than expected.

Services Performed:

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

Special Notes:

* These services were performed at no charge.