

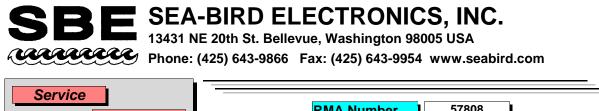
	Report	RMA Number	57808	
Customer Inf	ormation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca]		
PO Number	TBD			
Serial Number	er 031075			
Model Numb	er SBE 03-02/F			

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

Problems Found:

Services Performed:

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



	Report	RMA Number	57808	
Customer Int	formation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca			
PO Number	ТВО			
Serial Numb	er 031609			
Model Numb	er SBE 03-02/F			

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

Problems Found:

Services Performed:

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



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

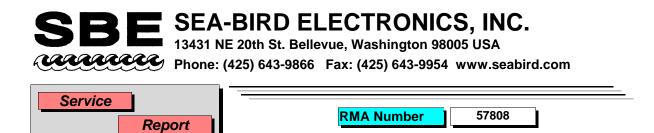
Services Requested:

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

Problems Found:

Services Performed:

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



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

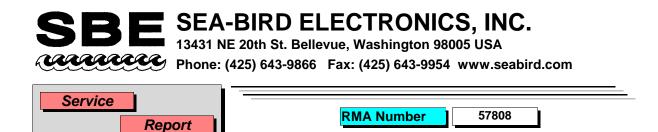
Services Requested:

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

Problems Found:

Services Performed:

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



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

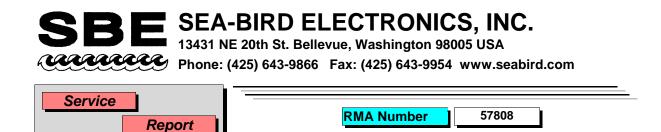
Services Requested:

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

Problems Found:

Services Performed:

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



Company US Department of Commerce, NO.	AA	Date	3/9/2010
Contact Carlos Fonseca			
PO Number TBD			

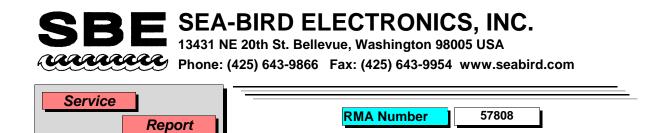
Services Requested:

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

Problems Found:

Services Performed:

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



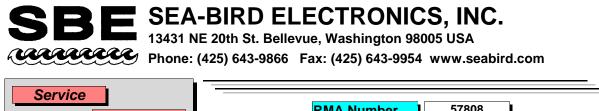
Company	US Department of Commerce, NOAA	Date	3/9/2010
Contact	Carlos Fonseca		
PO Number	TBD		

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

Problems Found:

Services Performed:

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



	Report	RMA Number	57808	
Customer Inf	formation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca			
PO Number	TBD			
Serial Numb	er 041346			
Model Numb	er SBE 04-02/0			

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

Problems Found:

Services Performed:

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



	Report	RMA Number	57808	
Customer Inf	ormation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca]		
PO Number	TBD			
Serial Numbe	o41374			
Model Numb	er SBE 04-02/0			
Model Numb	er SBE 04-02/0			

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

Problems Found:

Services Performed:

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



_	Report	RMA Number	57808	
Customer Inf	ormation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca			
PO Number	TBD			
Serial Numbe	o41387			
Model Numb	er SBE 04-02/0			

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

Problems Found:

Services Performed:

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



	Report	RMA Number	57808	
Customer Inf	ormation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca			
PO Number	TBD			
Serial Numbe	er 043657			
Model Numb	er SBE 04C			

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

Problems Found:

Services Performed:

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



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

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.



	Report	RMA Number	57808	
Customer Inf	ormation:			
Company	US Department of Commerce, NOAA		Date	3/9/2010
Contact	Carlos Fonseca]		
PO Number	TBD			
Serial Numbe	r 430154			
Model Numb	er SBE 43			

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

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 (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.



Jervice	Report	RMA Number	5780	8	
Customer Inf	ormation:				
Company	US Department of Commerce, NOAA			Date	3/9/2010
Contact	Carlos Fonseca				
PO Number	TBD				
1					

- 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.



	Report			
Customer Inf	ormation:			
Company	US Department of Comme	rce, NOAA		Date
Contact	Carlos Fonseca			
PO Number	TBD			

Serial Number 431348 Model Number SBE 43

Services Requested:

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

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 (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:

3/9/2010