



Sea-Bird Electronics, Inc.
 13431 NE 20th Street
 Bellevue, WA 98005 United States

Phone
 Fax

+1-425-643-9866
 +1-425-643-9954
 www.seabird.com

SERVICE REPORT

Service Request
Date
Sales Order

1005502924
 06-NOV-2017
 314822253

CUSTOMER INFORMATION

Name: NOAA - ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LAB
 Account : 40279759
 GRANT RAWSON
 GRANT.RAWSON@NOAA.GOV
 (305) 361-4412

PO Number:

Bill To Address

4301 RICKENBACKER CAUSEWAY;
 MIAMI,FL,33149,US

Ship To Address

4301 RICKENBACKER CAUSEWAY;
 MIAMI,FL,33149,US

PRODUCT INFORMATION

Item: 03P.LEGACY
Item Description: (LEGACY) SBE 03Plus Temperature Sensor
Serial: 03P4799

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:

Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_3	SBE 3 TEMPERATURE SENSOR CALIBRATION; 11 POINTS -1 TO 31DEG.C (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 03F.210
Item Description: SBE3F FAST TEMP, GE PROBE, 6800M, XSG
Serial: 03P5855

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_3	SBE 3 TEMPERATURE SENSOR CALIBRATION; 11 POINTS -1 TO 31DEG.C (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 03P.210
Item Description: SBE3PLUS TEMP, GE PROBE, 6800M, XSG
Serial: 03P5889

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:

Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_3	SBE 3 TEMPERATURE SENSOR CALIBRATION; 11 POINTS -1 TO 31DEG.C (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 03P.210
Item Description: SBE3PLUS TEMP, GE PROBE, 6800M, XSG
Serial: 03P5898

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_3	SBE 3 TEMPERATURE SENSOR CALIBRATION; 11 POINTS -1 TO 31DEG.C (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.210
Item Description: SBE4C COND SENSOR V2, 6800M, XSG, SCOTCHCAST
Serial: 04-4346

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_4C	SBE 4C CONDUCTIVITY CALIBRATION FOR CTD SENSORS (INCLUDES 6-POINT 35 PSU POST DEPLOYMENT CAL., AND C&P WITH 6-POINT 35 P (FRRF))	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.210
Item Description: SBE4C COND SENSOR V2, 6800M, XSG, SCOTCHCAST
Serial: 044223

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_4C	SBE 4C CONDUCTIVITY CALIBRATION FOR CTD SENSORS (INCLUDES 6-POINT 35 PSU POST DEPLOYMENT CAL., AND C&P WITH 6-POINT 35 P (FRRF))	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.210
Item Description: SBE4C COND SENSOR V2, 6800M, XSG, SCOTCHCAST
Serial: 044229

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_4C	SBE 4C CONDUCTIVITY CALIBRATION FOR CTD SENSORS (INCLUDES 6-POINT 35 PSU POST DEPLOYMENT CAL., AND C&P WITH 6-POINT 35 P (FRRF))	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.LEGACY
Item Description: (LEGACY) SBE 04C Conductivity Sensor
Serial: 043861

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_4C	SBE 4C CONDUCTIVITY CALIBRATION FOR CTD SENSORS (INCLUDES 6-POINT 35 PSU POST DEPLOYMENT CAL., AND C&P WITH 6-POINT 35 P (FRRF))	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 430140

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_43	SBE 43 DISSOLVED OXYGEN SENSOR CALIBRATION (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 431348

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_43	SBE 43 DISSOLVED OXYGEN SENSOR CALIBRATION (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 432040

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Problems Found:
 The SBE 43 Anode Assembly was found to have failed.

Services Performed:
 Perform initial diagnostic evaluation.
 Replaced the SBE 43 Anode sub assembly.
 Replaced the lid and membrane assembly (0.5 mil).
 Replaced the electrolyte with new fluid.
 Replaced the O-rings.
 Performed a hydrostatic pressure test.
 Performed a "Final" Calibration.

Item	Item Description	Qty
CAL_43	SBE 43 DISSOLVED OXYGEN SENSOR CALIBRATION (FRRF)	1

Unbilled Items

Item	Item Description	Qty
801576	SBE43 LID & MEMBRANE SUB-ASSY, .5MIL MEMBRANE	1
801230	SBE43 ANODE SUB-ASSEMBLY / DWG 41092	1
22085	BATTERY, SANYO CR14250SE-SP1-1, 850 mA-h	2



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 432082

Special Notes
 Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_43	SBE 43 DISSOLVED OXYGEN SENSOR CALIBRATION (FRRF)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 432083

Special Notes

Services Requested:
 Evaluate/Repair Instrumentation.
 Perform Routine Calibration Service.

Services Performed:
 Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.

Item	Item Description	Qty
CAL_43	SBE 43 DISSOLVED OXYGEN SENSOR CALIBRATION (FRRF)	1

Unbilled Items

Item	Item Description	Qty