



Sea-Bird Electronics, Inc.
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 www.seabird.com

SERVICE REPORT

Service Request
Date
Sales Order

1005508968
 11-NOV-2019
 315784872

CUSTOMER INFORMATION

Name: NOAA - ATLANTIC OCEANOGRAPHIC AND METEOROLOGICAL LAB
 Account : 40279759
 GRANT RAWSON
 GRANT.RAWSON@NOAA.GOV
 (305) 361-4363

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: 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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 432691

Special Notes

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

Problems Found:

Air was found in the electrolyte.

Services Performed:

Perform initial diagnostic evaluation.
 Performed "POST" cruise calibration.
 Replaced the lid and membrane assembly (0.5 mil).
 Replaced the electrolyte with new fluid.
 Replaced the lithium back-up battery(s).
 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	1

Unbilled Items

Item	Item Description	Qty
801576	SBE43 LID & MEMBRANE SUB-ASSY, .5MIL MEMBRANE	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: 43-2948

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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 43-2934

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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 43-2942

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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 43.LEGACY
Item Description: (LEGACY) SBE 43 Oxygen Sensor
Serial: 43-2940

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	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 PSU re-cal, if necessary)	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: 04-4349

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 PSU re-cal, if necessary)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.LEGACY
Item Description: (LEGACY) SBE 04C Conductivity Sensor
Serial: 043858

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 PSU re-cal, if necessary)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.LEGACY
Item Description: (LEGACY) SBE 04C Conductivity Sensor
Serial: 043854

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 PSU re-cal, if necessary)	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: 04-4709

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 PSU re-cal, if necessary)	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 PSU re-cal, if necessary)	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 04C.LEGACY
Item Description: (LEGACY) SBE 04C Conductivity Sensor
Serial: 043860

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 PSU re-cal, if necessary)	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	1

Unbilled Items

Item	Item Description	Qty



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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	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: 03-6243

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	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: 03-5207

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	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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 03P.LEGACY
Item Description: (LEGACY) SBE 03Plus Temperature Sensor
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	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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 03P.LEGACY
Item Description: (LEGACY) SBE 03Plus Temperature Sensor
Serial: 03P5171

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	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 35RT.LEGACY
Item Description: (LEGACY) SBE 35 Digital Reversing Thermometer
Serial: 35-0083

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_35RT	SBE 35 RT Digital Reversing Thermometer calibration	1

Unbilled Items

Item	Item Description	Qty



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PRODUCT INFORMATION

Item: 35RT.LEGACY
Item Description: (LEGACY) SBE 35 Digital Reversing Thermometer
Serial: 35-0097

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_35RT	SBE 35 RT Digital Reversing Thermometer calibration	1

Unbilled Items

Item	Item Description	Qty