



# SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington 98005 USA

Telephone: (425) 643-9866 Telex: 292915 SBEI UR

Fax: (425) 643-9954

email: seabird@seabird.com

SBE P/N 50301

DATE	REV	REVISION RECORD	AUTH	DR	CHK
7.8.04	D	Added PN171888	CB	KLP	
5.12.05	E	new stock - 171347 to 172021	CB	KLP	
1.18.06	F	Update conn, update batt cover	CB	CB	
5.29.09	G	Removed PN 171888	CB	PC	

## SBE SEACATplus Seaspares Support Kit, MCBH

### KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
171192	Conn., Locking Sleeve MCDLS-F	Locking sleeves for connectors	3
171398	Conn., MCDC-4-F, Female Dummy For MCIL/BH-4MP	Dummy plug for 4 pin bulkhead connector	1
171497	Conn., MCDC-2-F, Female Dummy FOR MCIL/BH-2MP	Dummy plug for 2 pin bulkhead connector	1
171498	Conn., MCDC-6-F, Female Dummy For MCIL/BH-6MP	Dummy plug for 6 pin bulkhead connector	1
172019	Connector, MCBH-2MP(WB), TI, 2 pin bulkhead	2 pin spare bulkhead connector	1
172021	Connector, MCBH-4MP(WB), TI, 4 pin bulkhead	4 pin spare bulkhead connector	1
172022	Connector, MCBH-6MP(WB), TI, 6 pin bulkhead	6 pin spare bulkhead connector	1
30388	Vinyl tube, 3/4" x 1/2"	Main sensor plumbing tubing	7 ft
30409	Teflon Tape	Tape for insides of hose clamps	7 ft
30411	Triton X100, 500ml	Triton solution for cell cleaning	1 btl.
30457	Parker O-Lube	O-Ring Lubricant	1 tube

### CABLES

SBE P/N	Part Description	Primary SBE Application	QTY
801374	Cable, Profiler data I/O	Spare data I/O cable for 4 pin Seacat connectors	1

### OTHER KITS & ASSEMBLIES

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
50087	Cell Filling & Storage Device	Refer to SBE PN 50087 Specific Kit Document	1
50273	SBE 16/19 Small Hardware Spares	Refer to SBE PN 50273 Specific Kit Document	1
50274	SBE 16/19 Spare O-Rings	Refer to SBE PN 50274 Specific Kit Document	1
50275	SBE19+ Spare Magnetic Switch	Refer to SBE PN 50275 Specific Kit Document	1
41124B	Seacat Battery Cover Plate	Spare cover plate for Battery compartment	1

### A. Installing Bulkhead Connectors

1. Remove old bulkhead and re-tap hole with 1/2-20 tap to clean surfaces.
2. Apply Loctite primer to hole. Twist wires on bulkhead while primer dries.
3. Apply Loctite to 1<sup>st</sup> 2 threads only of bulkhead, and screw into place. Use a crescent wrench to insure that bulkhead is very tight.

### B. Installing a new Switch

1. New switch comes complete and assembled.
2. Remove old switch, remove screws from new switch and install new switch in its place
3. ON should face toward the battery endcap.
4. Inside the cell guard, magnet be in position directly opposite the 'ON', and beveled edge should face the cell.

### C. Replacing Sensor Plumbing

1. Use the included plumbing (30388) for all applications.
2. Route sensor plumbing along as linear as possible a pattern.
3. Refer to included graphic for an idea of how to plumb a standard CTD system.

## Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67116

TITLE: SBE SEACATplus Seaspares Support Kit

REVISION: G

EFFECTIVE DATE: 5/29/2009

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