



SEA -B I R D ELECTRONICS, INC.

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DATE	SYM	REVISION RECORD	AUTH	DR	CHK
01.99	A	Added PN 30247 washer	MJ	MG	MG

SBE P/N 50240

SBE 19 Small Hardware Spares Kit

KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
30145	Mach screw, 6-32 x 1/2 PH SS	Battery endplate, Al Cell tray to housing	12
30163	Mach screw, 8-32 x 1 PH SS	Seacat magnetic switch	2
30164	Mach screw, 8-32 x 1-1/8 PH SS	Al Sensor Endcap	8
30176	Mach screw, 10-24 x 2/4 PH SS	Al Battery Endcap, threaded ring	8
30182	Mach screw, 10-24 x 1-1/4 PH SS	Al Endcap to housing	2
30185	Bolt, 1/4-20 x 1-1/4 HEX SS	Endcaps, lift eye / cage	8
30205	Mach screw, 6-32 x 3/4 PH SS	Al cell tray to sensor endcap	2
30237	Washer, #10 nylon	Al sensor endcap hardware for Al/PL housings	8
30242	Washer, #6 flat	Battery endplate	6
30247	Washer, #8 internal tooth	Install between aluminum cell guard and 30359 hardware	4
30267	Screw insul, #8 x 1/2"	Al Sensor endcap hardware, for Al/Al housings	8
30359	Mach screw, 8-32 x 5-16 PH SS	Al Cell guard to housing	4
30362	Nut, 6-32 nylon stop	Internal threaded rod, boardset retainer	2
30408	Nut, 12-28 UNF-2B Al	For anode	2
30414	Washer, #13 int. tooth	For anode	2
30444	Bolt, 1-24 x 1/2" HEX Ti	Ti cell guard to housing	4
30445	Mach screw, 10-24 x 3/4 PH Ti	Ti cell tray to endcap	4
30447	Bolt, 1/4-20 x 1-1/4 HEX Ti	Ti endcaps, lift eye / cage	4
30491	Mach screw, 8-32 x 5-16 RH Ti	Ti cell guard to plastic housing	2
30493	Mach screw, 10-24 x 1-1/4 HEX Ti	Ti sensor endcap to plastic housing	4

Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67015

TITLE: **SBE 19 Small Hardware Spares Kit**

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SBE 19 Small Hardware Spares Kit*APPLICATIONS:**Universal Internal Hardware:*

Primary Application	SBE P/N	Part Description
Threaded Rod, Boardset Retainer Plate	30362	Nut, nylon stop, 6-32
Battery Endplate, PN 80076.1	30145	Mach. Screw 6-32 x 1/2, PH, SS
Seacat Magnetic Switch	30163	Mach. Screw 8-32 x 1, PH, SS
Battery Endplate, PN 80076.1	30242	Washer, #6, flat, SS

Universal External Hardware:

Primary Application	SBE P/N	Part Description
Seacat Anode, PN 30044	30408	Nut, 12-28, UNF-2B, Al
Seacat Anode, PN 30044	30414	Washer, #12, int. tooth, SS
Al Battery Endcap Threaded Ring	30176	Mach. Screw 10-24 x 7/8, PH, SS

Titanium Housings:

Primary Application	SBE P/N	Part Description
Ti Sensor Endcap to Housing	30493	Mach. Screw 10-24 x 1-1/4", HEX, Ti
Ti Cell Guard to Housing	30444	Bolt, 10-24 x 3/4, HEX HD, Ti
Ti Cell Tray to Endcap	30445	Mach. Screw 10-24 x 3/4, HEX, Ti
Ti Endcaps, Lift Eye / Cage	30447	Bolt, 1/4-20 x 1-1/4 hex, HEX HD, Ti

Aluminum Housings:

Primary Application	SBE P/N	Part Description
Cell Tray to Housing	30145	Mach. Screw 6-32 x 1/2, PH, SS
Cell Tray to Sensor Endcap	30205	Mach. Screw 6-32 x 3/4, PH, SS
Cell Guard to Housing	30359	Mach Screw 8-32 x 5/16, PH, SS
Sensor Endcap	30164	Mach. Screw 8-32 x 1-1/8, PH, SS
Sensor Endcap	30267	Screw Insulator, #8 x 1/2"
Endcaps, Lift Eye / Cage	30185	Bolt, 1/4-20 x 1-1/4, HEX, SS

Plastic Housings:

Primary Application	SBE P/N	Part Description
Al Cell Guard to Housing	30359	Mach Screw 8-32 x 5/16, PH, SS
Al Cell Tray to Housing	30145	Mach. Screw 6-32 x 1/2, PH, SS
Al Cell Guard to Plastic Housing	30247	Washer, #8, Int. tooth, SS
Al Sensor Endcap	30237	Washer, #10, nylon, WN-10
Al Sensor Endcap	30182	Mach. Screw 10-24 x 1-1/4, PH, SS
Al endcaps, Lift Eye / Cage	30185	Bolt, 1/4-20 x 1-1/4, HEX, SS
Ti Cell Guard to Plastic Housing	30491	Mach. Screw 8-32 x 5/16, RH, Ti
Ti Sensor Endcap to Housing	30493	Mach. Screw 10-24 x 1-1/4, HEX, Ti

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