



SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, WA 98005 USA

Telephone: (425) 643-9866

Fax: (425) 643-9954

email: seabird@seabird.com

SBE P/N 60069

DATE	REV	REVISION RECORD	AUTH	DR	CHK
10/14	A	CHANGE O-RING FROM 31274	CB	CB	

SBE 39Plus Spares Kit (External Connector)

Kit Contents

SBE P/N	Part Description	Primary SBE Application	QTY
31018	O-RING, PARKER 2-029 N674-70	End cap O-Rings	4
60058	SILICA GEL CAPSULES, 0.4 GRAM, 5 EA	Replace Desiccant capsule every time you open the sensor	1 can

Procedure for SBE 39Plus

A. REPLACING THE BATTERY Follow the instructions below to replace the AA cells

- 1) Remove the titanium end cap and electronics from the housing as follows:
 - a) Wipe the outside of the end cap and housing dry, being careful to remove any water at the seam between them.
 - b) Using a wrench on the end cap's wrench flats, unscrew the end cap.
 - c) Pull the end cap and attached electronics out of the housing.
 - d) Remove any water from the end cap O-rings and mating surfaces inside the housing with a lint-free cloth or tissue.
- 2) Replace the AA cells: Push each cell out of the battery holder, and install the new cells.
- 3) (39plus with external connector) Install two new desiccant capsules in the slots on top of the battery pack.
- 4) (39plus with no external connector) Install a new desiccant bag
- 5) Reinstall the end cap:
 - a) Remove any water from the O-rings and mating surfaces in the housing with a lint-free cloth or tissue. Inspect the O-rings and mating surfaces for dirt, nicks, and cuts. Clean as necessary. Apply a light coat of O-ring lubricant (Parker Super O Lube) to O-ring and mating surfaces.
 - b) Carefully fit the end cap into the housing, pushing in until the first O-ring is seated.
 - c) Using a wrench, screw the end cap into the housing.

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B. REPLACING THE O-RINGS

1. Remove the old O-Ring
 - a. Use a plastic spatula, or other NON-ABRASIVE, soft material to pry in underneath O-Ring.
 - b. Pull back so O-Ring stretches out of its groove, and cut it. Make sure not to scratch the O-Ring seating surface.
 - c. Discard of old O-Ring immediately to insure they do not get accidentally reused.
2. Installing the new O-Ring
 - a. Make sure O-Ring is free of all dust and debris before applying any lubricant. Never clean with any abrasive material.
 - b. Lubricate O-Ring with O-Ring lubricant. This should be a silicone-based lubricant. Never use petroleum based lubricants on any SBE O-Rings.
 - c. Slip O-Ring over end cap and into the O-Ring groove..
 - d. Always close and seal the sensor as soon as possible after replacing an O-Ring.
 - e. Always clean and lubricate an O-Ring before installing it.
3. Install a new desiccant bag, and reseal the can.

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