



# SEA-BIRD ELECTRONICS, INC.

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SBE P/N 60044

DATE	REV	REVISION RECORD	AUTH	DR	CHK
11.10.05	A	New Battery replacement instructions for blind end housing	CB	KLP	

## SBE 39IM Standard Spares Kit

### Kit Contents

SBE P/N	Part Description	Primary SBE Application	QTY
31274	O-ring, Parker 2-029 E603-70	Pressure/Temperature endcap o-rings	4
60039	SBE39 Desiccant Packs, 1gm- 25 ea	Replace Desiccant bag every time you open the sensor	1 can

## Procedure for SBE 39IM

### A. REPLACING THE BATTERY

1. Unscrew the sensor endcap.
2. Carefully pull the SBE39IM sensor assembly out of the housing.
3. Remove the rubber band holding the desiccant bag to the batteries.
4. Replace the batteries with 3.6V, AA sized, Lithium batteries ONLY.
5. Reattach the rubber band around the batteries.
6. Backfill the sensor with Argon or another Noble gas if available.
7. Install a new desiccant bag under the rubber band on the backside of the batteries, and reseal the can.
8. Screw the sensor back together.

### 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.

### Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67167

TITLE: SBE PN 60044 SBE 39IM Standard Spares Kit

REVISION: A

EFFECTIVE DATE: 11/10/2005

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