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SBE P/N 50033

DATE	SYM	REVISION RECORD	AUTH	DR	CHK

**SBE 4 Conductivity Sensor O-Ring kit***KIT CONTENTS*

SBE P/N	Primary SBE Application	QTY
231002	Backup for LS-001	1
231003	Backup for LS-020	1
30558	Silicagel Desiccant, 1 gram	1
30804	L-Seal, LS-001	1
30805	L-Seal, LS-020	1

*O-RING USAGE:*

SBE Application	SBE P/N	QTY
Backup for LS-001	231002	1
Backup for LS-020	231003	1
Replaces current desiccant inside SBE 4 sensor housing	30558	1
L-Seal for Conductivity cell penetrator	30804	1
L-Seal for Conductivity sensor housing	30805	1

**A. Replacement of L-Seals**

1. Do not use sharp or metal tools to remove or replace L-Seals, as this can cause scratches in the surfaces and result in flooding the sensor.
2. Sea-Bird recommends a small hollow tool or a plastic spatula to install o-rings and l-seals.
3. Slide a spatula in underneath l-seal to remove it. Cut it in half before discarding.
4. Completely coat L-Seal and backup ring in a silicon-based lubricant, such as Parker brand "Super-O" O-Ring Lube.
5. Use the tool or same spatula to slip new L-Seal into place. Make sure that notched side of L-Seal faces toward inside of sensor, or "low-pressure" side.
6. Install L-Seal into notched space, making sure that it and L-Seal are fully seated before re-installing parts.

**B. Opening sensor housing**

1. Remove 4 endcap screws from sensor housing and set aside.
2. AL ONLY: Remove 2 screws from connector end of aluminum cell tray and set aside.
3. Remove endcap carefully from sensor housing.

**C. Removing cell**

1. Use solder wick and iron at about 700° to remove all solder from cell contacts.
2. Remove 2 screws that hold cell tray to endcap, and set aside.
3. You may now carefully slide cell penetrator out of endcap.

**D. Notes on Replacement of Endcap L-Seals**

1. Sea-Bird recommends that you remove the boardset before installing the L-Seal unless you have an appropriate tool to install the seal with.
2. O-Ring lubricant on the printed circuit board may have a small effect on sensor readings.
3. Contact of L-Seal to PCB during installation may cause scratches in the L-Seal which could result in flooding the instrument.

**Sea-Bird Electronics Procedure**

PROCEDURE NUMBER: 67067

TITLE: SBE 4 Conductivity O-Ring Kit

REVISION:

EFFECTIVE DATE: 11/20/2002

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