



# SEA-BIRD ELECTRONICS, INC.

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SBE P/N 60060

DATE	REV	REVISION RECORD	AUTH	DR	CHK

## SBE 37SI V3 Spare Hardware and O-Ring Kit

### KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
30633	Washer, 1/4" Split Ring Lock, Ti	For mounting clamps	4
30634	Washer, 1/4" Flat, Ti	For mounting clamps	4
30867	Washer, #6 Split Ring Lock, Ti	Hold cable clamp half to flat area of sensor endcap	1
30900	Bolt, 1/4-20 x 2" Hex Ti	Secure mount clamps to housing	2
31019	O-ring, Parker, 2-008	Retains mounting hardware	4
31066	Cap Screw, 8-32 x 3/4 Socket Head, Titanium	Secure cable guide base to sensor endcap	3
31089	Screw, 10-32 x 1/2" FH Philips, Titanium	For securing cell guard to housing	2
31118	Screw, 10-32 x 3/8 FH Philips, Titanium	For securing cell guard to sensor endcap	2
31516	Hex Key, 9/64" Long Arm, DoALL AHT58010	Tool for securing guide to connector endcap	1
31749	Hex Key, 7/64" Long Arm, DoAll BDH12106	Tool for securing clamp to sensor endcap	1
31873	Cap Screw, 6-32 x 1/2, Socket Head, Ti	Hold cable clamp half to flat area of sensor endcap	1

### Removing and Replacing Cable Mount Clamps

#### A. At the Connector Endcap

1. Install the guide cap onto guide base
  - a. Insert one lock washer (30633) and one flat washer (30634) onto each of the two bolts (30900).
  - b. Insert the screws from the flat side of the block
  - c. Slide one o-ring (31019) onto each bolt.
  - d. Secure the clamp to base with these bolts.
    - *The o-rings sit in internal countersinks on the blocks.*
2. Install the assembly onto the connector endcap
  - a. The assembly secures to the endcap so that the clamp end points to the side opposite the cell guard.
  - b. Secure with 3 screws (31066)
    - *Use Never-Seez on the screws.*

#### B. At the Sensor Endcap

1. Install the hardware into the upper clamp part
  - a. Insert one lock washer (30633) and one flat washer (30634) onto each of the two bolts (30900).
  - b. Insert the screws from the flat side of the block.
  - c. Slide one o-ring (31019) onto each bolt.
  - d. Secure the clamp to the base with these bolts.
    - *The o-rings sit in internal countersinks on the blocks.*
2. Install lower clamp part onto Microcat
  - a. Lower clamp seats into endcap notch, and is secured with one cap screw (31873) and one lock washer (30867) using a 7/64 hex key (31749).

SBE DRAWING:

TITLE:

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### Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67215

TITLE: SBE 37SI V3 Spare Hardware & O-Ring Kit

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- b. It is not necessary to use lubricant. DC-4 may be applied.
3. Assemble clamp parts
  - a. Screw upper part into lower part.
  - b. It is not necessary to use lubricant. DC-4 may be applied.

### **Replacing Anti-foulant Devices**

#### **C. Replace the Anti-foulant Devices**

1. Unscrew the 2 screws (31089) that secure the cell guard to the housing and the 2 screws (31118) that secure the cell guard to the sensor endcap using a Philips head screwdriver.
2. Carefully pull the cell guard off of the Microcat and set aside.
3. Replace the anti-foulant devices.
4. Put the cell guard back on the Microcat.
5. Coat the threads of the 4 screws with Never-seez and use them to secure the cell guard to the housing and sensor endcap.

SBE DRAWING:

TITLE:

REV:

#### **Sea-Bird Electronics Procedure**

PROCEDURE NUMBER: **67215**

TITLE: **SBE 37SI V3 Spare Hardware & O-Ring Kit**

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