



SEA-BIRD ELECTRONICS, INC.

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SBE P/N 60060

DATE	REV	REVISION RECORD	AUTH	DR	CHK
8-13	A	Added Air Bleed Wire & Cell Sticker	AD	AD	CB

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 end cap	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 end cap	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 end cap	2
31516	Hex Key, 9/64" Long Arm, DoALL AHT58010	Tool for securing guide to connector end cap	1
31749	Hex Key, 7/64" Long Arm, DoAll BDH12106	Tool for securing clamp to sensor end cap	1
31873	Cap Screw, 6-32 x 1/2, Socket Head, Ti	Hold cable clamp half to flat area of sensor end cap	1
311281	SBE 37P Removable Shipping Sticker	Close the ends of the cell for storage	1
Cleaning Wire	Air Bleed Valve Wire Kit (6" P/N 311276, P/N 31414 & P/N 31862)	Bagged air bleed Valve Wire for clearing bleed Valve	1

Removing and Replacing Cable Mount Clamps

A. At the Connector End cap

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 end cap
 - a. The assembly secures to the end cap 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.*

SBE DRAWING:

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B. At the Sensor End cap

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 end cap notch, and is secured with one cap screw (31873) and one lock washer (30867) using a 7/64 hex key (31749).
 - 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



WARNING!

AF24173 Anti-Foulant Devices contain bis(tributyltin) oxide. Handle the devices only with rubber or latex gloves. Wear eye protection. Wash with soap and water after handling.

Read precautionary information on product label before proceeding.

It is a violation of US Federal Law to use this product in a manner inconsistent with its labeling.

A. Replace the Anti-foulant Devices (Not Included in the Kit)

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 end cap 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 end cap.
6. If the unit is going to put into storage affix a P/N 311281 Removable Shipping Sticker to the cell guard covering the two holes for the conductivity cell intake and exhaust.

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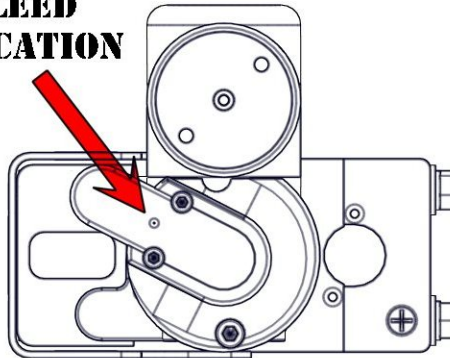
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Cleaning the Air Bleed Hole

The internal pumped plumbing system on this SBE37 MicroCAT contains an air bleed valve hole. This hole must be open and clean if the instrument is deployed with the air bleed valve pointed towards the surface. If necessary, before deployment, clean the hole by inserting a 0.016" (AWG #26) OD wire 1/2" into the hole and by spraying water into it.

AIR BLEED HOLE LOCATION



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