



SEA-BIRD ELECTRONICS, INC.

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SBE P/N varies

DATE	SYM	REVISION RECORD	AUTH	DR	CHK
8/10/04	A	Added drawing		KLP	

SBE 37 IM/IMP/16p-IM/44 Cable Clamp Assembly Kit

UNIVERSAL KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
30633	Washer, 1/4" Split Ring, Ti	Used with cable guide cap and cable clamp securing bolts	2
30634	Washer, 1/4" Flat, Ti	Used with cable guide cap and cable clamp securing bolts	2
30860	Mach Screw, 6-32x1/2" FH, Ti	Hold cable clamp half to flat area of sensor endcap	1
30900	Mach Screw, 1/4-20x2" Hex Ti	Secure cable guides/clamps to endcaps	2
31019	O-Ring, 2-008 N674-70	Placed on cable clamp 1/4-20 bolts as retainers	2
31020	Mach Screw, 4-40 x 1", FH, SS	Secures the guide pieces in place	4

SPECIFIC KIT CONTENTS (varies to specified wire size)

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
Varies	SBE37 Microcat Cable Clamp	Attach to flat surface of sensor ec., clamps to cable	2
Varies	SBE37 Microcat Cable guide, Part 1	Attach to cable guide base to lock down mooring cable	1
Varies	SBE37 Microcat Cable guide, Part 2	Attach to battery/connector endcap to hold cable	1

KIT PART NUMBERS

SBE P/N	Kit Description
50339	SBE37 Modular Cable Clamp Kit, 0.33", Custom (J32423)
50357	SBE37 Modular Cable Clamp Kit, 1/4"
50358	SBE37 Modular Cable Clamp Kit, 5/16"
50359	SBE37 Modular Cable Clamp Kit, 3/8"
50360	SBE37 Modular Cable Clamp Kit, 1/2"
50361	SBE37 Modular Cable Clamp Kit, 5/8"

SBE P/N	Kit Description
50338	SBE37 Modular Cable Clamp Kit, 0.25", Custom
50362	SBE37 Modular Cable Clamp Kit, 6 mm
50358	SBE37 Modular Cable Clamp Kit, 8 mm
50364	SBE37 Modular Cable Clamp Kit, 10 mm
50365	SBE37 Modular Cable Clamp Kit, 12 mm
50361	SBE37 Modular Cable Clamp Kit, 16 mm

Install Sensor Endcap Cable Guide Assembly

1. Remove the bolt and washers from the endcap.
2. Install the circular guide piece onto the removable side of the endcap.
 - a. Align it so that the cut out center faces outward.
 - b. Secure into place with with one 4-40 x 1" (31020).
3. Install the second guide piece into the endcap.
 - a. The longer flat surface faces out.
 - b. Secure into place with with one 4-40 x 1" (31020).
4. Insert the cable in the opening of the guard pieces.
5. Secure the outer guide to the endcap.
 - a. Put one lock washer and one flat washer onto each bolt.
 - b. Insert each bolt back into the holes on the outside guide piece of the endcap.
 - c. Slide an o-ring over each bolt.
 - The o-rings should seat into the internal countersinks on the blocks.

SBE DRAWING NUMBER: 41338

REV:

TITLE: SBE37 IM/IMP/16P-IM/44 Cable Clamp Assembly Kit

Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67142

TITLE: **SBE37 IM/IMP/16p-IM/44 Cable Clamp Assembly Kit**

REVISION: A

EFFECTIVE DATE: 07/09/2004

CHECKED BY:

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Installing the Cable Clamp

1. Take one of the two identical blocks and install it in the cut out on the other end of the Microcat.
 - a. The side with the semi-circular cutout faces away from the sensor.
 - b. The small hole goes toward the outer edge of the Microcat and is secured with a 6-32 x 1/2" set screw (30860).
2. Insert the cable in the opening of the guard pieces.
 - a. There will be no slipping once this pair is tightened down so make sure it is in the correct place.
3. Secure the outer guide to the endcap.
 - a. Put one lock washer (30633) and one flat washer (30634) onto each 1-4 X 20 bolt (30900).
 - b. Insert each bolt back into the holes on the outside guide piece of the endcap.
 - c. Slide an o-ring over each bolt.
 - *The o-rings should seat into the internal countersinks on the blocks.*

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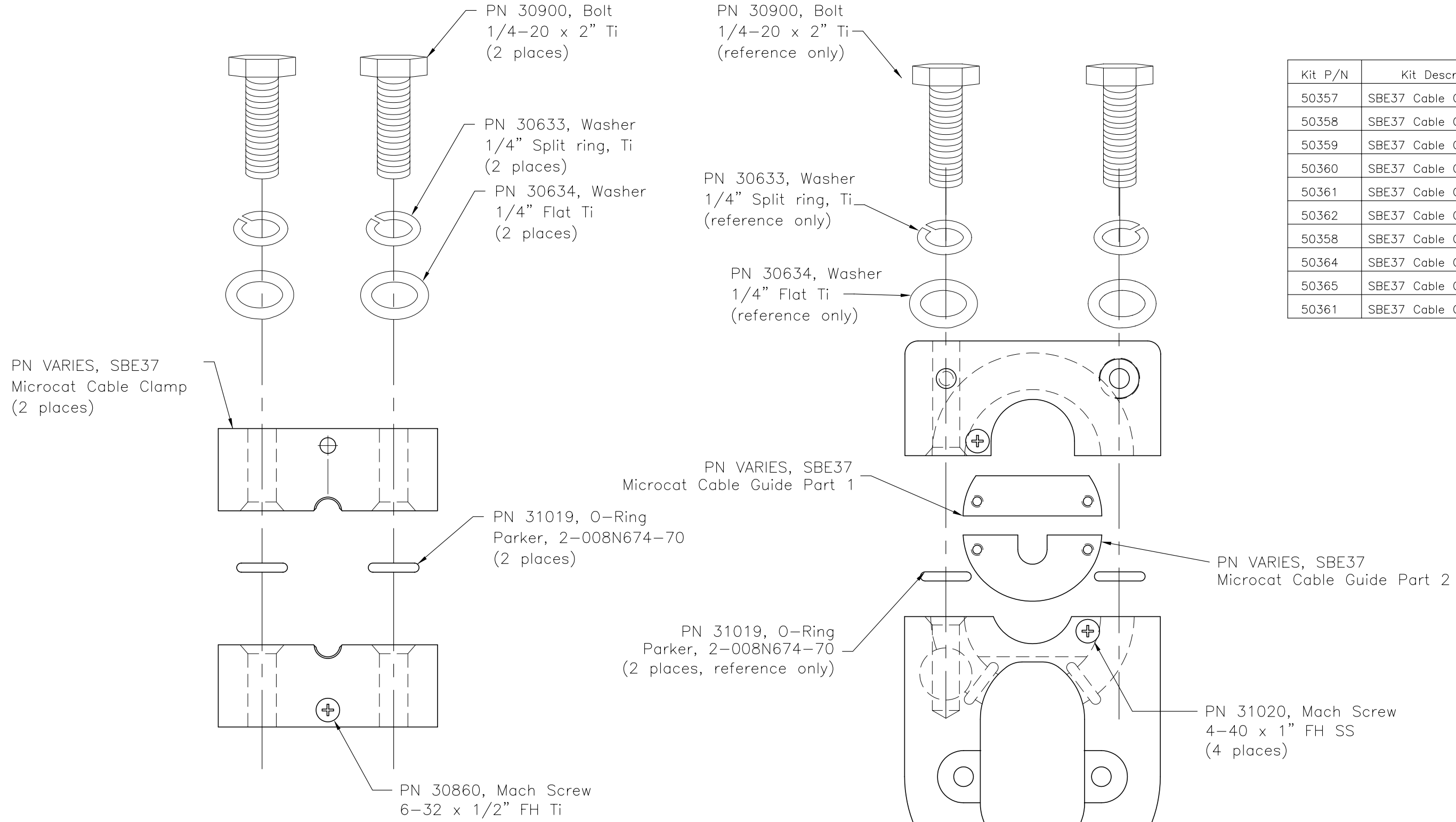
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DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.

TO SENSOR ENDCAP

TO CONNECTOR ENDCAP



Kit P/N	Kit Description
50357	SBE37 Cable Clamp Set, 1/4"
50358	SBE37 Cable Clamp Set, 5/16" (8 mm)
50359	SBE37 Cable Clamp Set, 3/8"
50360	SBE37 Cable Clamp Set, 1/2"
50361	SBE37 Cable Clamp Set, 5/8" (16 mm)
50362	SBE37 Cable Clamp Set, 6mm
50358	SBE37 Cable Clamp Set, 8mm (5/16")
50364	SBE37 Cable Clamp Set, 10mm
50365	SBE37 Cable Clamp Set, 12mm
50361	SBE37 Cable Clamp Set, 16mm (5/8")

TOLERANCES	SEA-BIRD ELECTRONICS, INC			
FRACTIONAL	P/N	SCALE	DRAWN BY KLP	
	SEE TABLE	NTS	APPROVED BY	
DECIMAL	TITLE SBE37 IM/IMP/16p-IM/44 CABLE CLAMP ASSEMBLY KIT			
ANGULAR	DATE	DRAWING NUMBER	REV	
	7.9.04	41338		