



SEA-BIRD ELECTRONICS, INC.

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SBE P/N 50062

DATE	REV	REVISION RECORD	AUTH	DR	CHK
02.99	A	Add Drawing, reformat document	MJ	CEG	
07.13.04	B	Changed Descriptions for Impeller and Pump Head o-rings	ET	KLP	
03.17.06	C	Add Thrust Washer, PN 30095	CB	MJ	

SBE 5T Pump Housing O-Ring Kit

KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
30010	Pump Thrust Washer, 115-033-10	Thrust Washer for Pump Impeller	2
30082	Parker O-Ring, 2-213N674-70	Connector Endcap O-Ring	1
30095	Parker O-Ring, 2-002N674-70	Pump Impeller O-Ring	1
30571	Parker O-Ring, 2-124N674-70	Pump Head O-Ring	1

Pump Housing O-Ring Replacement

A. General O-Ring Installation

1. O-rings must be cleaned and lubricated with Silicone-Based lubricant before installing.
2. Never use petroleum-based lubricant.
3. Never clean an o-ring with any type of abrasive material.
4. Always inspect all o-rings and o-ring surfaces for scratches or dirt before installation.

B. Pump Impeller O-Ring and Thrust Washer (30095, 30010)

1. Install one of the thrust washers (30010) onto the shaft.
2. The Impeller should then be slid down all the way onto the shaft, followed by the second thrust washer (30010).
3. Secure the fixture into placed with the pump impeller o-ring (30095).
 - a. Do not put any lubricate on this o-ring.

C. Pump Head O-Ring (30571)

1. Lube the o-ring groove on the housing and Pump Head O-Ring (30571)
2. Install the o-ring into the housing groove.
3. Press the o-ring as tightly as possible into the groove.
4. Backthread the pump head (23593) over the O-Ring until both are firmly seated and then thread the pump head hand tight onto the housing.

D. Connector Endcap O-Ring (30082)

1. Lubricate the o-ring and o-ring groove, as well as the housing seating surface with o-ring lubricant.
2. Install the o-ring by carefully sliding it completely over the bulkhead connector.
3. Next, use a plastic spatula to pry the o-ring over the endcap into its groove.

SBE DRAWING: 67029A

TITLE: 5T Pump Housing O-Ring Installation

Sea-Bird Electronics Procedure

PROCEDURE NUMBER: 67029

TITLE: **SBE 5T Pump Housing O-Ring Kit**

REVISION: C

EFFECTIVE DATE: 03/17/2006

CHECKED BY: _____ PAGE 1 of 1

DATE	REV	DESCRIPTION	AUTH	DR	CK.
3/20/2006	A	Migrate to Solid Works and add pump thrust washers.	MJ	KHH	

D

D

C

C

B

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	30010	PUMP THRUST WASHER	2
6	30095	O-RING, 2-002 N674-70	1
7	30571	O-RING, PARKER 2-124 N674-70	1
11	30082	O-RING, PARKER 2-213 N674-70	1

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	SEA-BIRD ELECTRONICS, INC.	
DIMENSIONS ARE IN INCHES		DRAWN	KHH	1808 - 136th PLACE NE, BELLEVUE, WA 98005	
TOLERANCES:		3/20/06		425-643-9866	
FRACTIONAL ±		PROPRIETARY AND CONFIDENTIAL		TITLE: SBE 5T Pump Housing O-Ring Kit, O-Ring Installation	
ANGULAR: ± 2 BEND ±		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SEA-BIRD ELECTRONICS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SEA-BIRD ELECTRONICS, INC. IS PROHIBITED.		P/N: 50062	
.XX ± .01 TYP RAD .015		COMMENTS:		SIZE	DWG. NO.
.XXX ± .005		DEBUR AND BREAK SHARP EDGES		B	67029
MACHINED SURFACES		Old Part/Draw Info		REV	A
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5M - 1994		N/A /N/A		SCALE: 1:1 SHEET 1 OF 1	
MATERIAL					
Varies					
FINISH					
N/A					
DO NOT SCALE DRAWING					

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