

SEA-BIRD ELECTRONICS, INC.

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SBE P/N 50062

DATE	REV	REVISION RECORD	AUTH	DR	CHK
07.13.04	В	Changed Descriptions for Impeller and Pump Head o-rings	ET	KLP	
03.17.06	С	Add Thrust Washer, PN 30095	CB	MJ	
06.04.07	D	ECN 1096: Universal external pump housing O-ring kit	PC	PC	
9.21.11	E	Updated for 5T V3	CB	PC	

SBE 5M / 5P / 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, 2-213 N674-70	Connector Endcap O-Ring for 5T V1/V2	1
30095	Parker O-Ring, 2-002 N674-70	Pump Impeller O-Ring	1
30571	Parker O-Ring, 2-124 N674-70	Pump Head O-Ring	1
31011	Parker O-Ring, 2-026 N674-70	Impeller Endcap O-Ring for 5M / 5P / 5T V3	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 impeller endcap and pump head o-ring (30571).
- 2. Install the o-ring into the o-ring 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.

<u>SBE DRAWING:</u> 67029.03	Sea-Bird Electronics Procedure
TITLE: 5M/5P/5T Pump Housing O-Ring Kit	PROCEDURE NUMBER: 67029 TITLE: SBE 5M/5P/5T Pump Housing O-Ring Kit
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E. Impeller Endcap O-Ring (31011)

- 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 into the o-ring groove furthest from the impeller side of the endcap.

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