Brooks

PROCEDURE TO ATTACH CRYOPANEL TO WATERPUMP

Overview

These instructions explain the procedure for attaching a Cryopanel to a Waterpump. The Part Number (P/N) of the waterpump is 8191005G001.

Safety:

	⚠ CAUTION
	Heavy Object
	To avoid injury when installing or removing cryopumps, use a lifting aid and proper lifting techniques.

Contents of these Instructions

Contents for Kit IS-WP 8191005G001

This kit contains the following:

Table 1: Kit Contents

Part Number	Description	Quantity
8191005G001	Waterpump	1
MS16995-29	Screw Cap: SOCHD SST 8-32 x 7/8″	3
MS 35338-137	Lock Washer: SST #8	3
MS 15795-845	Flat Washer: SST #8 Flat	3
7100001G009	Indium Strip	1

Customer-Supplied Materials

You must supply the following materials to complete these instructions:

*   Hex Wrench: 9/64-inch

IS-WP Cryopanel Procedure Instructions

1. Insert screws in the three holes (see Figure 1:)

2. Tighten the Screw Cap (P/N MS 16995-29) with a torque of 30 inch-lb/f.

NOTE: *The Indium Strip should be cut to a size a little bigger than the actual size and then adjusted to the actual size by cutting off the excess Indium after the assembly has been completed. Any Indium over the screw holes should be removed before you assemble the cryopanel onto the cold link and tighten the screws.*
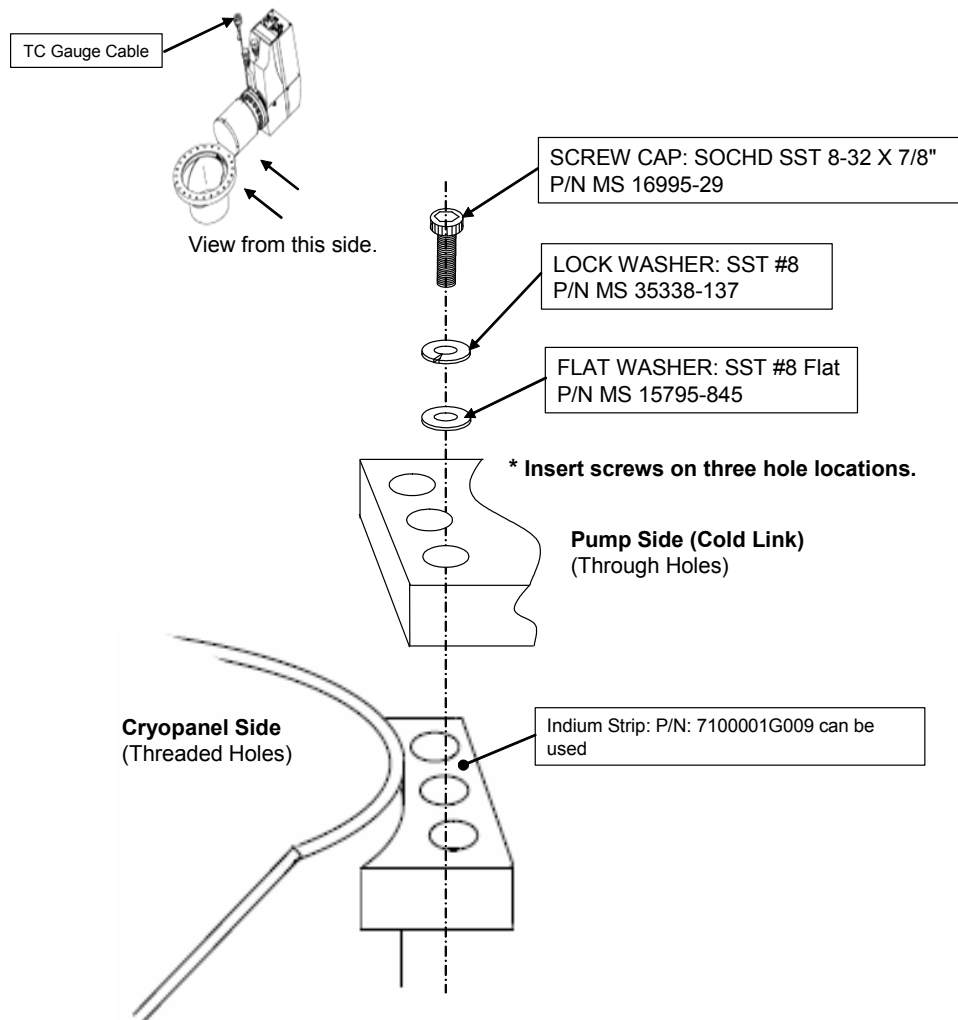
TC Gauge Cable

View from this side.

SCREW CAP: SOCHD SST 8-32 X 7/8"
P/N MS 16995-29

LOCK WASHER: SST #8
P/N MS 35338-137

FLAT WASHER: SST #8 Flat
P/N MS 15795-845

* Insert screws on three hole locations.

Pump Side (Cold Link)
(Through Holes)

Cryopanel Side
(Threaded Holes)

Indium Strip: P/N: 7100001G009 can be used

Figure 1: Attach Cryopanel to Waterpump

Contact Customer Brooks Automation Technical Support

When contacting Brooks Automation for Technical Support, please have the following information available.

1. Record the part number and serial number from the equipment.

2. Provide the installed location of the equipment.

3. Provide name, e-mail address, and telephone number of the person to contact.

4. List any error codes received during the failure.

5. Prepare a detailed description of the events relating to the error.

  - Time that the equipment has been in operation

  - Work that was done on the equipment prior to the error

  - Functions that the equipment was performing when the error occurred

  - Actions taken after the error and the results of those actions

  - Other information that may assist the Specialist

6. Contact Brooks Automation Technical Support at these numbers:

Brooks Location	GUTS® Contact Number
North America	1-800-FOR-GUTS (1-800-367-4887) US/Canada +1-978-262-2900
Europe	+49 1804 CALL GUTS (+49 1804 2255 4887)
Japan	+81-45-477-5980
China	+86-21-5131-7066
Taiwan	+886-3-552-5225
Korea	+82-31-288-2500
Singapore	+65-6464-1481

For additional contact information, please go to the Brooks Automation web site at www.brooks.com or send an E-mail to techsupport@brooks.com.