

# LIGO PROCESS TRAVELER

DCC Number: **E990267-01-X**

Date Prepared: **6/30/99**

Originator	Cognizant Engineer	Ext./Phone#	Project	Account Number
Michael Smith	Michael Smith	2062	COS	5F515

Dwg/Part Number	Rev	Part Description	Serial Number	Qty
		<b>Beam Dump Assemblies, BSC4</b>		
D980087	A	“glass retaining bracket, top left, cavity BD”		3
D980088	A	“glass retaining bracket, top right, cavity BD”		3
D980092	A	“glass plate 1, cavity BD”		3
D980093	A	“glass plate 2, cavity BD”		3
D980289	B	“glass mounting plate1, cavity BD”		3
D980292	B	“glass mounting plate2, cavity BD”		3
D980296	A	“glass retaining bracket, bottom left, cavity BD”		3
D980297	A	“glass retaining bracket, bottom right cavity BD”		3
D980348	B	“side plate, cavity BD”		6
D980378	B	“Stiffener Block, cavity BD”		3
D980685	A	“clamp, plate beam dump”		12
D990028	A	Beam Dump Flex Hinge Tongue		6
D990029	A	Beam Dump Flex Hinge Clevis		6
D990030	A	Beam Dump Flex Hinge Tee		6
D990031	A	Beam Dump Flex Hinge Saddle		6
D990032	A	Beam Dump Flex Hinge Attach		6
D990033	A	Beam Dump Flex Hinge Adapter		6
D990140	D	Beam Dump Housing Plate		3
D990149	C	“Cavity Beam Dump, Mounting Bracket Angle “		4
D990150	B	“Cavity Beam Dump, Mounting Bracket Gusset “		4
D990151	B	“Cavity Beam Dump, Mounting Bracket Backplate 1”		4
D990152	C	“Cavity Beam Dump, Mounting Bracket Backplate 2”		4
D990198	B	Beam Dump Flex Hinge H_tube		4
D990199	A	Beam Dump Flex Hinge Low Strap		6

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Dwg/Part Number	Rev	Part Description	Serial Number	Qty
D990200	A	Beam Dump Flex Hinge Backup		12
D990201	A	Beam Dump Flex Hinge Cap		12
D990202	B	Beam Dump Flex Hinge Top Strap		6
D990207	B	“rail, plate beam dump”		6
D990218	B	“glass, plate beam dump”		3
D990222	A	Beam Dump Housing Tube 2KBSAR3		0
D990223	C	Beam Dump Housing Tube 2KFM		0
D990225	D	“Beam Dump Housing Tube 4KITMHR3, 4KITMHR4”		0
D990236	B	“backplate_offset, plate beam dump”		0
D990240	B	“backplate, plate beam dump”		2
D990252	B	“Beam Dump Housing Tube ITMAR1,2KRMHR3”		3
D990253	A	Extension Tube		1
D990335	A	“Beam Dump Flex Hinge H_tube, 2KITMXAR4 “		1
D990336	A	“Beam Dump Flex Hinge H_tube, 2KITMYAR4”		1
WFV-10		#10 X 0.31 THK FLAT VENTED WASHER		24
WFV-10		#10 X 0.31 THK FLAT VENTED WASHER		4
92196A245		#10-24 X 0.75 SHCS		4
93615A355		#10-24 X 0.75 LOW HD SCS		24
WFV-06		#6 X 0.016 THK FLAT VENTED WASHER		4
92196A144		#6-32 X .25 SHCS		4
WFV-08		#8 FLAT VENTED WASHER		102
92185A194		#8-32 X .50 SHCS		102
91500A194		#8-32 X .500 FHPS		54
91944A450		0.406ID X 0.88OD X 0.25 THK SPHER WASH		24
92141A029		1/4 FLAT WASHER		48
92141A029		1/4 FLAT WASHER		36
N-2520-A		1/4-20 HEX NUT		24

Dwg/Part Number	Rev	Part Description	Serial Number	Qty
93615A410		1/4-20 X .500 LOW HEAD SOCKET SCREW		12
92196A540		1/4-20 X 0.75 SHCS		48
92196A540		1/4-20 X 0.75 SHCS		24
92196A542		1/4-20 X 1.00 SHCS		48
C-2016-NA		"1/4-20 X 1.00 SHCS, AG/SS"		48
C-2016-NA		"1/4-20 X 1.00 SHCS, AG/SS"		12
92196A544		1/4-20 X 1.25 SHCS		24
C-2820-NA		"1/4-28 X 1.25 SHCS, AG/SS"		36
91950A031		3/8 X 0.063 FLAT WASHER		3
91950A031		3/8 X 0.063 FLAT WASHER		6
WFV-38		3/8 X0.032 THK FLAT VENTED WASHER		3
WFV-38		3/8 X0.032 THK FLAT VENTED WASHER		32
WFV-38		3/8 X0.032 THK FLAT VENTED WASHER		8
94804A320		3/8-16 HEX NUT		8
N-3816-A		3/8-16 HEX NUT		6
TOP-1616-NA		3/8-16 X 1.00 SOCKT SET SCRW-OVL PT AG/SS		12
90585A626		3/8-16 X 1.25 FLT HD CAP SCREW		8
92186A626		3/8-16 X 1.25 HEX HD SCREW		16
C-1620-NA		"3/8-16 X 1.25 SHCS, AG/SS"		12
92186A630		3/8-16 X 1.75 HEX HD SCREW		6
92196A630		3/8-16 X 1.75 SHCS		18
92186A999		3/8-16 X 7.00 HEX HD SCREW		16
099-966-12-20x		BERYLLIUM-CU GND STRP		12
6.32-400		Flex Pivot		12

<b>Used In (next higher assembly):</b>	D990230, BSC Beam dump Installation, top assembly

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**Data Package, Receiving/Inspection Remarks:**

Inspection Required Y/N	Visual Damage Y/N	Comments	Name/Initials	Date Comp.
y		Inspect for breakage during shipment		

**Process Flow:**

#	Operation	Start Date	Work Area	Instructions	Name/Initials	Date Comp.
1	Control Point	NA	NA		NA	NA
2	Clean		LHO	per LIGO-E960022, as applicable	B. Weaver	
3	wrap and bag		LHO	per LIGO-E960022	B. Weaver	
4	Vacuum Bake		LHO	per LIGO-E960022	K. Ryan	
5	Control Point		LHO	Review/approve RGA:scan # _____ scan # _____ scan # _____ scan # _____ scan # _____ scan # _____ Note: attach RGA scan(s) to this traveler.	K. Ryan	

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#	Operation	Start Date	Work Area	Instructions	Name/ Initials	Date Comp.																	
	Box for shipment to LHO			Ship in LIGO-provided container  <table border="1"> <thead> <tr> <th>No.</th> <th>Qty per package</th> <th>Part</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td></td> <td>BSC4 BEAM DUMP PARTS</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> (see also qty. for each shipping destination below)	No.	Qty per package	Part	ALL		BSC4 BEAM DUMP PARTS													
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END: Go to Traveler associated with next higher assembly processing																							

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**Special Instructions (Handling/Packaging Constraints, Remarks, etc.) or Notes:**

Attention: Betsy Weaver, Jonathan Kern, hold cleaned and baked parts for COS assembly

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