



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID
E1101090-v1

SHEET 1 OF 1

ASSEMBLY NO:

D0901058

OVERALL BILL OF MATERIALS

TITLE: aLIGO AOS SLC FOLD MIRROR BEAM DUMP FINAL ASSY

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: (REFERENCE CONTENTS)	CIT, JT	9-Oct-11	v1	E1101007-v1	JT			
CHECKED:								
APPROVED:								
DCC RELEASE								

ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1	0	1	D1101897	v1	aLIGO AOS SLC FOLD MIRROR BEAM DUMP SUSPENSION ASSY	N/A
2	1	0	1	D1101895	v1	aLIGO AOS FOLD MIRROR BEAM DUMP BLADE ASSY	N/A
3	1	0	1	D1001138	v3	SLC ACB INTERFACE MTG PLATE	304 SSSL
4	1	0	1	D1000705	v1	FM BEAM DUMP BLADE	MARAGING STEEL C250
5	1	0	1	D1002609	v2	SLC BLADE MOUNTING BRACKET	304 SSSL
7	3	1	4	92200A544		SCREW, SHC, .25-20 X 1.25 LG., SSSL	300 SSSL
9	1	0	1	D1002340	v3	SLC ACB SUSPENSION ROD	316 SSSL
11	1	1	2	N-1024-A		UC-COMP, HEX NUT, #10-24, SSSL	Ag-PLATED 300 SSSL
			0				
12	1	0	1	D1002582	v2	SLC BAFFLE TUBE UP ASSEMBLY	N/A
13	1	0	1	D1002612	v2	SLC UPPER TUBE	6061-T6 Al
14	1	0	1	D1002610	v2	SLC TUBE UP CONNECTOR PLATE	6061-T6 Al
15	1	0	1	D1002581	v2	SLC SUSPENSION ROD SUPPORT	6061-T6 Al
			0				
18	1	0	1	D1002564	v3	SLC EDDY CURRENT DAMPING 8 DIA TUBE ASSY	N/A
19	1	0	1	D1002560	v2	SLC DAMPING TUBE TOP PLATE	6061-T6 Al
20	1	0	1	D1002561	v3	SLC DAMPING 8 DIA TUBE	6061-T6 Al
21	1	0	1	D1002617	v2	SLC DAMPING TUBE LOWER PLATE	6061-T6 Al
23	1	0	1	D1000929	v1	SLC COPPER SUPPORT PLATE	6061-T6 Al
24	1	0	1	D1000909	v2	SLC COPPER PLATE	COPPER
25	2	1	3	90233A815		FLAT HD SCREW # 10-24 X .50, McMASTER	TITANIUM
			0				
28	1	0	1	D1100062	v1	aLIGO AOS FM BAFFLE DOWN TUBE ASSY	N/A
29	1	0	1	D1100063	v1	aLIGO AOS FM BAFFLE DOWN TUBE	6061-T6 Al
30	1	0	1	D1002618	v2	SLC TUBE LOWER CONNECTOR PLATE	6061-T6 Al
31	1	0	1	D1000930	v1	SLC MAGNET HOLDER STEEL PLATE	416 SSSL
32	1	0	1	D1000684	v2	SLC TUBE LOWER MTG PLATE	6061-T6 Al
34	8	4	12	92200A537		McMASTER, SOCKET HEAD CAP SCREW, .25-20 UNC X .50 LG, (MS 16995-48 OR EQUIV)	300 SSSL
35	2	1	3	94518A510		FLAT, SHCS, .25-20 X .50 LG., 300 SSSL	300 SSSL
36	4	1	5	N35P1000500HT		BUNTING MAGNETIC-NEODYMIUM 1.00D X .50H	NEO 35



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			0				
	20	8	28	92200A242		McMASTER, SOCKET HEAD CAP SCREW, 10-24 X .50 LG, MS 16995-36 (OR EQUIV)	300 SSTL
37	1	1	2	91841A011		McMASTER, HEX NUT, #10-24, SSTL	18-8 SSTL
38	2	2	4	90945A741		WASHER, FLAT, #10 (NAS 620-C10 OR EQUIVALENT)	300 SSTL
39	9	4	13	C-2016-NA		UC COMP, SOCKET HEAD CAP SCREW, .25-20 X 1 LG, SSTL	Ag-PLATED 300 SSTL
40	12	5	17	90945A760		McMASTER, WASHER, FLAT, .25 x .47 OD, NAS 620-C416L (OR EQUIV)	300 SSTL
41	2	0	2	95412A651		THREADED STUD .375-16 X 9, McMASTER	18-8 SSTL
42	4	2	6	98370A019		WASHER #.375 X .75 OD, McMASTER	18-8 SSTL
43	4	2	6	N-3816-A		UC-COMP, HEX NUT, .375-16	Ag-PLATED 300 SSTL
44	6	3	9	95435A755		SCREW SHCS #.25-20 X .75, McMASTER	TITANIUM
45	6	3	9	93286A044		WASHER #25 ALUM, McMASTER	6061-T6
			0				
46	1	0	1	D1102105	v1	aLIGO AOS SLC FOLD MIRROR BEAM DUMP BAFFLE ASSY	N/A
47	1	0	1	D1003368	v1	aLIGO AOS FM BEAM DUMP SKIN	304 SSTL
49	1	0	1	D1102106	v1	aLIGO AOS FOLD MIRROR BEAM DUMP TOP CAP SKIN	6061-T6 Al
50	1	0	1	D1003369	v1	aLIGO AOS FOLD MIRROR BEAM DUMP BOTTOM CAP SKIN	6061-T6 Al
51	1	0	1	D1003398	v1	FM BEAM DUMP MOUNTING CHANNEL	6061-T6 Al
53	32	8	40	MS 15795-852		FLAT WASHER, .266 ID X .63 OD X .032 THK (OR EQUIV)	300 SSTL
54	16	4	20	92949A541		McMATER, BUTTON SOCKET HEAD CAP SCREW, 1/4-20 X .875 LG	18-8 SSTL
55	16	4	20	N-2520-A		UC-COMP, HEX NUT, .25-20	Ag-PLATED 300 SSTL
56	1	1	2	D1001186	v2	SCREW #3/4-16 X 4, McMASTER 92198A390	18-8 SSTL
57	3	2	5	98125A446		WASHER, FLAT, .75 OD, 18-8 SSTL	18-8 SSTL
58	2	1	3	90810A036		McMASTER, NICKEL COPPER HEX NUT, 3/4-10	NICKEL-COPPER ALLOY 400