



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID

E1200089-v1

SHEET 1 OF 3

ASSEMBLY NO:

D0901058

OVERALL BILL OF MATERIALS

TITLE:
 aLIGO AOS FOLD MIRROR BEAM DUMP BAFFLE FINAL ASSEMBLY

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: (REFERENCE CONTENTS)	CIT, HNK	27/19/2012	v1	E1200051-v1	HNK			
CHECKED:								
APPROVED:								
DCC RELEASE								

ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1		1	D1000684	v2	SLC TUBE LOWER MTG PLATE	6061-T6 Al
2	1		1	D1000909	v2	SLC COPPER PLATE	COPPER
3	1		1	D1000929	v1	SLC COPPER SUPPORT PLATE	6061-T6 Al
4	1		1	D1000930	v1	SLC MAGNET HOLDER STEEL PLATE	416 SSSL
5	2		2	D1001120	v2	SLC EARTHQUAKE STOP RING	6061-T6 Al
6	1		1	D1001186	v2	SCREW #3/4-10 X 4_McMaster 92240A849	18-8 SSSL
7	1		1	D1002340	v1	SLC ACB SUSPENSION ROD	316 SSSL
8	1		1	D1002560	v1	SLC DAMPING TUBE TOP PLATE	6061-T6 Al
9	1		1	D1002561	v3	SLC DAMPING 8 DIA TUBE	6061-T6 Al
10	1		1	D1002564	v3	SLC EDDY CURRENT DAMPING 8 DIA TUBE ASSY	N/A
11	1		1	D1002581	v2	SLC SUSPENSION ROD SUPPORT	6061-T6 Al
12	1		1	D1002582	v3	SLC BAFFLE TUBE UP ASSEMBLY	N/A
13	1		1	D1002609	v2	SLC BLADE MOUNTING BRACKET	304 SSSL
14	1		1	D1002610	v2	SLC TUBE UP CONNECTOR PLATE	6061-T6 Al
15	1		1	D1002612	v2	SLC UPPER TUBE	6061-T6 Al
16	1		1	D1002617	v2	SLC DAMPING TUBE LOWER PLATE	6061-T6 Al
17	1		1	D1002618	v2	SLC TUBE LOWER CONNECTOR PLATE	6061-T6 Al
18	1		1	D1002753	v1	ITM Elliptical Blade	MARAGING STEEL C250
19	1		1	D1002844	v4	SLC ACB BLADE CLAMP	304 SSSL
20	1		1	D1101184	v2	SLC BEND FIXTURE PLATE	6061-T6 Al
21	1		1	D1101298	v1	BLADE SPRING BENDING HOOK ASSY	304 SSSL
22	1		1	D1101804	v1	aLIGO ITM ELLIPTICAL BAFFLE CENTER SKIN	304 SSSL
23	2		2	D1101805	v1	aLIGO ITM ELLIPTICAL BAFFLE TOP-BOTTOM SKIN	6061-T6 Al



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24	1		1	D1101806	v1	aLIGO ITM ELLIPTICAL BAFFLE ASSEMBLY	N/A
25	1		1	D1101813	v1	aLIGO ITM ELLIPTICAL BAFFLE TUBE MOUNT CHANNEL	6061-T6 Al
26	1		1	D1101885	v1	aLIGO AOS ITM ELLIPTICAL BAFFLE SUSPENSION ASSY	N/A
27	1		1	D1101886	v1	aLIGO AOS ITM ELLIPTICAL BAFFLE BLADE ASSY	N/A
28	1		1	D1101887	v1	aLIGO AOS ITM ELLIPTICAL BAFFLE ACB TUBE LO ASSY	N/A
29	1		1	D1101889	v1	aLIGO AOS ITM ELLIPTICAL BAFFLE ACB TUBE LO	6061-T6 Al
30	1		1	D1102193	v1	BEND FIX PLATE HOLDER	304 SSSL
31	1		1	D1102286	v1	aLIGO AOS ITM ELLIPTICAL BAFFLE HEIGHT ADJUSTOR BRACE	6061-T6 Al
32	1		1	D1102325	v1	ACB BEND FIXTURE HOLDER ASSY	N/A
33	1		1	D1200074	v1	aLIGO AOS ITM ELLIPT BAFFLE HEIGHT ADJUST LOW BRACKET	6061-T6 Al
34	1		1	D1200075	v1	aLIGO AOS ITM ELLIP BAFFLE HEIGHT ADJUST UP BRACKET	6061-T6 Al
35	1		1	D1200145	v1	aLIGO AOS FAM BD BAFFLE INTERFACE MOUNTING PLATE, BSC8 H2	6061-T6 Al
36	1		1	D1200146	v1	aLIGO AOS ITM ELLIPTICAL BAFFLE INTERFACE MOUNTING PLATE, BSC7 H2	6061-T6 Al
37	60		60	MS 15795-852		FLAT WASHER, .266 ID X .63 OD X .032 THK (OR EQUIV)	300 SSSL
38	3		3	MS 16995-50		SOCKET HEAD CAP SCREW, 1/4-20 X .75 LG	18-8 SSSL
39	2		2	N-1024-A		UC-COMP, HEX NUT, #10-24, SSSL	Ag-PLATED 300 SSSL
40	31		31	N-2520-A		HEX NUT 1/4-20	Ag-PLATED 300 SSSL
41	4		4	N-3816-A		HEX NUT, .375-16	Ag-PLATED 300 SSSL
42	4		4	N35P1000500HT		BUNTING MAGNETIC-NEODYMIUM 1.00D X .50H	NEO 35
43	15		15	NAS 620-C416L		1/4 FLAT WASHER, .260 ID x .47 OD X .02 THK	300 SSSL
44	3		3	C-1820-NA		U-C COMP. 5/16-18 X 1.25L, S.H.C.S.	Ag-PLATED 300 SSSL
45	8		8	C-2016-NA		SOCKET HEAD CAP SCREW, .25-20 X 1 LG	Ag-PLATED 300 SSSL
46	2		2	90233A815		FLAT HD SCREW # 10-24 X .50, McMASTER	TITANIUM



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47	2		2	90810A036		McMASTER, NICKEL COPPER HEX NUT, 3/4-10	NICKEL-COPPER ALLOY 400
48	2		2	90945A741		WASHER, FLAT, #10 (NAS 620-C10 OR EQUIVALENT)	300 SSSL
49	16		16	92196A539		SOCKET HEAD CAP SCREW, 1/4-20 X .625 LG, SSSL	18-8 SSSL
50	2		2	92200A240		SOCKET HEAD CAP SCREW, 10-24 X .375 LG, NAS 1352C-3-6 (OR EQUIV)	18-8 SSSL
51	26		26	92200A242		SOCKET HEAD SCREW, #10-24 X .50 LG (MS16995-36)	300 SSSL
52	1		1	92200A246		SOCKET HEAD CAP SCREW, 10-24 X .875 LG, NAS 1352C-3-14 (OR EQUIV)	300 SSSL
53	8		8	92200A537		SOCKET HEAD CAP SCREW, .25-20 UNC X .50 LG, (MS 16995-48 OR EQUIV)	300 SSSL
54	4		4	92200A542		Screw, Socket Head Cap, 1/4-20 UNC-2A x 1.00 lg.	300 SSSL
55	2		2	92210A537		FLAT HEAD SCS #.25-20 X 1/2 LG.	18-8 S.S.T.
56	14		14	92949A541		McMATER, BUTTON SOCKET HEAD CAP SCREW, 1/4-20 X .875 LG	18-8 SSSL
57	6		6	93286A044		WASHER #25 ALUM, McMASTER	6061-T6
58	1		1	95412A548		THREADED STUD, SHC, 1/4-20 x 1-3/4" L	18-8 SSSL
59	2		2	95412A651		THREADED STUD .375-16 X 9, McMASTER	18-8 SSSL
60	2		2	95435A755		SCREW SHCS #.25-20 X .75, McMASTER	TITANIUM
61	4		4	95435A761		SOCKET HEAD CAP SCREW, 1/4-20 X 1.0 LG	TITANIUM
62	3		3	98017A220		WASHER #3/4, MCMASTER	300 SSSL
63	4		4	98019A330		WASHER #10, NASM 15795-808	300 SSSL
64	3		3	98019A385		.312 FLAT WASHER, .34 ID X .69 OD X .06 T, NASM 15795-812	300 SSSL
65	4		4	98370A019		WASHER #.375 X .75 OD, McMASTER	18-8 SSSL