

D0900428 - AdvLIGO Systems, BSC2-L1 Top Level Chamber Assembly B.O.M.

ITEM		PART NUMBER	DESCRIPTION	QTY.
1		D0900429	AdvLIGO VE BSC2-L1, Vacuum Equipment Assembly	1
	1.1	D060139	BSC Lower Shell ICD	1
	1.2	D060140	BSC Upper Shell ICD	1
	1.3	D980227-00-E	Naming Convention for Ports on BSC Chambers	1
	1.4	D961115	ALIGO Floor Assembly & Details, BSC Chamber VE	1
	1.5	D961107	Chamber Support Assembly, BSC LIGO Vacuum Equipment	1
	1.6	D1100625	aLIGO OPTLEV PERISCOPE MOUNTING ASSEMBLY	1
2		D0900430	AdvLIGO SEI BSC2-L1, XYZ Local CS for ISI Table	1
	2.1	D0901182	Advanced LIGO BSC ISI Assembly	1
3		D0900431	AdvLIGO SUS BSC2-L1, XYZ Local CS for BS HR	1
	3.1	D1000392	AdvLIGO BS/FM Top Level Assembly	1
	3.2	D1002424	aLIGO, SUS, VIBRATION ABSORBER, 5LB VERTICAL WITH O-RINGS	4
	3.3	D070056	aLIGO, SUS QUAD N-Type, QUAD Dog Clamp	20
	3.4	D1200750	BS ELLIPTICAL BAFFLE ASSY	1
	3.5	D1100538	aLIGO, Stay Table Mount Shorter Dog Clamp	16
	3.6	D1100785-620	Washer, Flat, Nitronic .38 X .620 OD	36
	3.7	3AJ1.500-12CL	Bolt, 3/8-16 X 1.50, 12Pt	36
	3.8	92200A680	3/8-16 X 1 SOCKET HEAD CAP SCREW	21
	3.9	93852A104	3/8 FLAT WASHER	13
	3.10	D090002	BS STAY STRUCTURE INTERFACE	4
	3.11	D090001	STAY LEG	3
	3.12	D1100445	ALIGO, SUS, 30° BS FM BSC STAY LEG	1
	3.13	D090003	TABLE INTERFACE	3
	3.14	D1100448	ALIGO, SUS, 30° BS FM BSC STAY TABLE INTERFACE	1
	3.15	D1100446	30 STAY BRACKET	1
	3.16	D080506	STAY BRACKET	2
	3.17	D080508	STAY BRACKET	1
	3.18	D1101299	FM/BS SIDE DAMPER	6
	3.19	D1200161	FM/BS LOWER STRUCTURE SUPPORT BRACKET	1
	3.20	D1200162	FM/BS LOWER STRUCTURE SUPPORT BRACKET	1
	3.21	D1200163	FM/BS LOWER STRUCTURE SUPPORT BRACKET	2
	3.22	92185A196	SCREW, SOC HD CAP, 8-32 X 5/8	2
	3.23	92196A554	SCREW, SOC HD CAP, 1/4-20 X 3.0	2
	3.24	92200A542	SCREW, SOC HD CAP, 1/4-20 X 1.0	6
	3.25	90107A029	WASHER, 1/4, FLAT	8
4		D1000554 *	AdvLIGO ZEMAX Laser Beam Rays & Optics, H1	1

5		D1000513 *	D1000513 HEPI, BSC, Chamber Level Assem, aLIGO SEI	1
6		D0900525	AdvLIGO SUS BSC2-L1, XYZ Local CS for Elliptical Baffle (ITMX,ITMY)	1
	6.1	D1003238	AdLIGO AOS ITM Elliptical Baffle Final Assembly	2
	6.2	MSC-67336925	SCREW HEX HEAD 3/8-16 X 2 LG	12
	6.4	93852A104	Washer, Flat, Nitronic .38 X .620 OD	12
7		D1001245	AdvLIGO SUS BSC2-L1, XYZ Local CS for CO2 Steering Mirror	1
	7.1	D1001192	TCS CO2P ITMX M2 ASSEMBLY ENVELOPE	1
	7.2	D1001193	TCS CO2P ITMX M2 ASSEMBLY ENVELOPE	1
8		TBD	AdvLIGO Cable Harness Routing, BSC2	1
9		D1001852	AdvLIGO BSC2-L1 ISI Table, Balance Masses Assembly	1
	9.1	D071200-06	1.190 Coarse (Type 06)	6
	9.2	D071200-04	.440 Coarse (Type 04)	6
	9.4	D1003161	TRIM MASS AND DAMPING ASSY, aLIGO BSC-ISI	23
	9.5	D1003143	BALLAST MASS ASSEMBLY, ALIGO BSC ISI	4

* These Assemblies are common to all BSC Chambers