

**D0900456 - AdvLIGO Systems, HAM5-L1 Top Level Chamber Assembly B.O.M.**

ITEM			PART NUMBER	DESCRIPTION	QTY.
1			D0900457	AdvLIGO VE HAM5-L1, Vacuum Equipment Assembly	1
	1.1		D060160	HAM Shell Weldment ICD	1
	1.2		D060159	HAM 84in Cover ICD	2
	1.3		D980226-00-E	Naming Convention for Ports in HAM Chambers	1
2			D0900459	AdvLIGO SEI HAM5-L1, XYZ Local CS for ISO Table	1
	2.1		D0900124	HAM ISI Table, Advanced LIGO	1
3			D0900461	AdvLIGO SUS HAM5-L1, XYZ Local CS for HLTS (SR3)	1
	3.1		D070447	HLTS OVERALL ASSEMBLY	1
	3.2		D1100179	AdvLIGO HLTS SUS Structure Spacer with Pocket Clamping (Parent D1100178)	1
	3.3		D1001376-01	AdvLIGO HAM Optics Table Dog Clamp 1.1S	2
	3.4		D1001376-02	AdvLIGO HAM Optics Table Dog Clamp 1.1M	10
	3.5		D1002424	VIBRATION ABSORBER ASSEMBLY	2
	3.6		92200A548	1/4-20 X 1-3/4 SOCKET HEAD CAP SCREW, MS16995-55. MC#92200A548	44
	3.7		2AL3.00-12L	1/4-20 X 3.00 12 PT BOLT	12
	3.8		D1100785-530	WASHER, FLAT NITRONIC, .25 X .530 OD	12
	3.9		D1101373	SR3 L1 OPTICS ASSEMBLY	1
4			D0900463	AdvLIGO SUS HAM5-L1, XYZ Local CS for HSTS (SRM)	1
	4.1		D020700	Assembly_ModeCleanerSuspension	1
	4.2		D1100183	AdvLIGO HSTS SUS Structure Spacer with Pocket Clamping (Parent D1100357)	1
	4.3		D1001376-01	AdvLIGO HAM Optics Table Dog Clamp 1.1L	1
	4.4		D1001376-02	AdvLIGO HAM Optics Table Dog Clamp 1.1M	8
	4.5		D1001376-03	AdvLIGO HAM Optics Table Dog Clamp 1.1L	3
	4.6		D1002424	VIBRATION ABSORBER ASSEMBLY	2
	4.7		92196A551	1/4-20 X 2-1/4 SOCKET HEAD CAP SCREW, MC#92196A551	30
	4.8		2AL3.00-12L	1/4-20 X 3.00 12 PT BOLT	12
	4.9		D1100785-530	WASHER, FLAT NITRONIC, .25 X .530 OD	12
	4.10		D1101370	SRM L1 OPTICS ASSEMBLY	1
5			D0900527	AdvLIGO SUS HAM5-L1, XYZ Local CS for AOS FI	1
	5.1		D0900136	AdLIGO AOS Faraday Isolator Assy	1
	5.2		D1000846	VIBRATION ABSORBER ASSEMBLY	2

	5.3		D1201149	AdvLIGO AOS Output Faraday Isolator Spacer Assembly	1
		5.3.1	D1100208	Aligo AOS Output Faraday Isolator Spacer	1
		5.3.2	D1201145	Inner Bar, Output Faraday Isolator Spacer	2
		5.3.3	92200A546	1/4-20 X 1-1/2 SOCKET HEAD CAP SCREW, MC#92200A546	10
	5.4		D1001376-01	AdvLIGO HAM Optics Table Dog Clamp 1.1L	4
	5.5		D1001376-02	AdvLIGO HAM Optics Table Dog Clamp 1.1M	12
	5.6		2AL2.00-12L	1/4-20 X 2.00 12 PT BOLT	16
	5.7		D1100785-530	WASHER, FLAT NITRONIC, .25 X .530 OD	16
	5.8		91253A558	1/4-20 X 2-3/4 FLAT HEAD SOCKET CAP SCREW, MC#91253A558	26
6			D1000554 *	AdvLIGO ZEMAX Laser Beam Rays & Optics, H1	1
7			D1000514 *	D1000513 HEPI, HAM, Chamber Level Assem, aLIGO SEI	1
8			D1101781	AdvLIGO HAM5-L1 ISI Table, Payload & Suspended Mass Assembly	1
	8.1		D0901075-03	AdvLIGO Bulk Trim Mass-SEI, BSC-HAM Tables	17
	8.2		D071200-04	.440 (Type 04)	9
	8.3		D071200-05	.690 Coarse (Type 05)	12
	8.4		D071200-03	.240 (Type 03)	9
	8.5		D071200-02	.120 Standard (Type 02)	15
9			D1101917	ALIGO, CABLE HARNESS ROUTING, HAM5	1
10			D1101782	AdvLIGO SUS HAM5-L1, XYZ Local for SRM AR Baffle	1
	10.1		D1200141	ALIGO SRM AR BAFFLE ASSEMBLY-L1	1
	10.2		D1001376-02	AdvLIGO HAM Optics Table Dog Clamp 1.1M	5
	10.3		78070 HOLO KROME	SCREW, SOC HD CAP, 1/4-20 X 2.00 L	5
	10.4		MS15795-811	WASHER, FLAT 1/4	5
11			D1101783	AdvLIGO SUS HAM5-L1, XYZ Local for SR3 HR-AR Baffle	1
	11.1		D1003205-02	ALIGO SR3 HR_H1-L1 BAFFLE ASSEMBLY	1
	11.2		D1003205-04	ALIGO SR3 AR_H1-L1 BAFFLE ASSEMBLY	1
	11.3		D1001376-01	AdvLIGO HAM Optics Table Dog Clamp 1.1L	5
	11.4		D1001376-02	AdvLIGO HAM Optics Table Dog Clamp 1.1M	5
	11.5		78070 HOLO KROME	SCREW, SOC HD CAP, 1/4-20 X 2.00 L	10
	11.6		MS15795-811	WASHER, FLAT 1/4	10
12			D1101784	AdvLIGO SEI HAM5-L1, XYZ Local for OptLev DLC Components	1
	12.1		D1101392	AdvLIGO OptLev Rigid Mount Assembly	1

	12.2		D0901488	ALIGO_HAM_TABLE_FORK	1
	12.3		90128A247	SCREW, SOC HD CAP, 1/4-20 X 1.00 L	1
13			D1102287	AdvLIGO TLC HAM5-L1, XYZ Local for HWS Optics Assembly	1
	12.1		D1101849	ALIGO TCS HWS OPTICS ASSY IN VAC, L1 HAM5	1

\* These Assemblies are common to all HAM Chambers