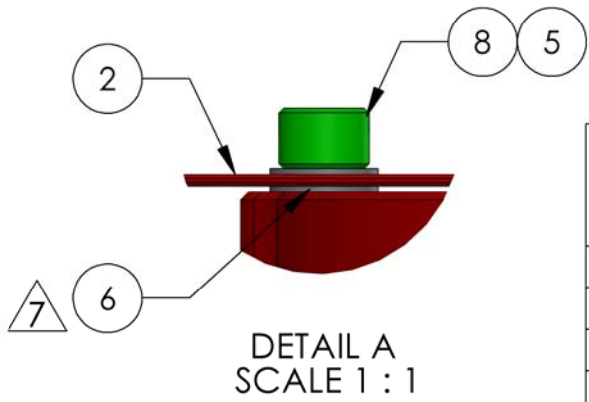
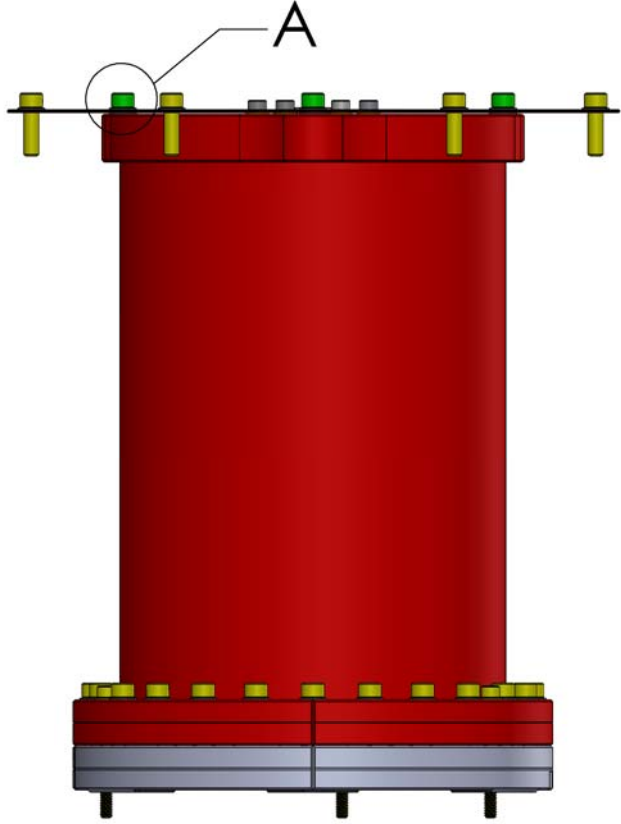


NOTES CONTINUED:

- 5. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- 6. REFER TO LIGO DOC T0900592 FOR DETAILED INSTRUCTION OF THE POD ASSEMBLY PROCEDURE, INSTRUCTIONS AND PROCEDURES MUST BE CAREFULLY FOLLOWED. REFER TO LIGO DOC E0900357 FOR THE INSTALLATION PROCEDURE OF THE POD ON THE BSC ISI.

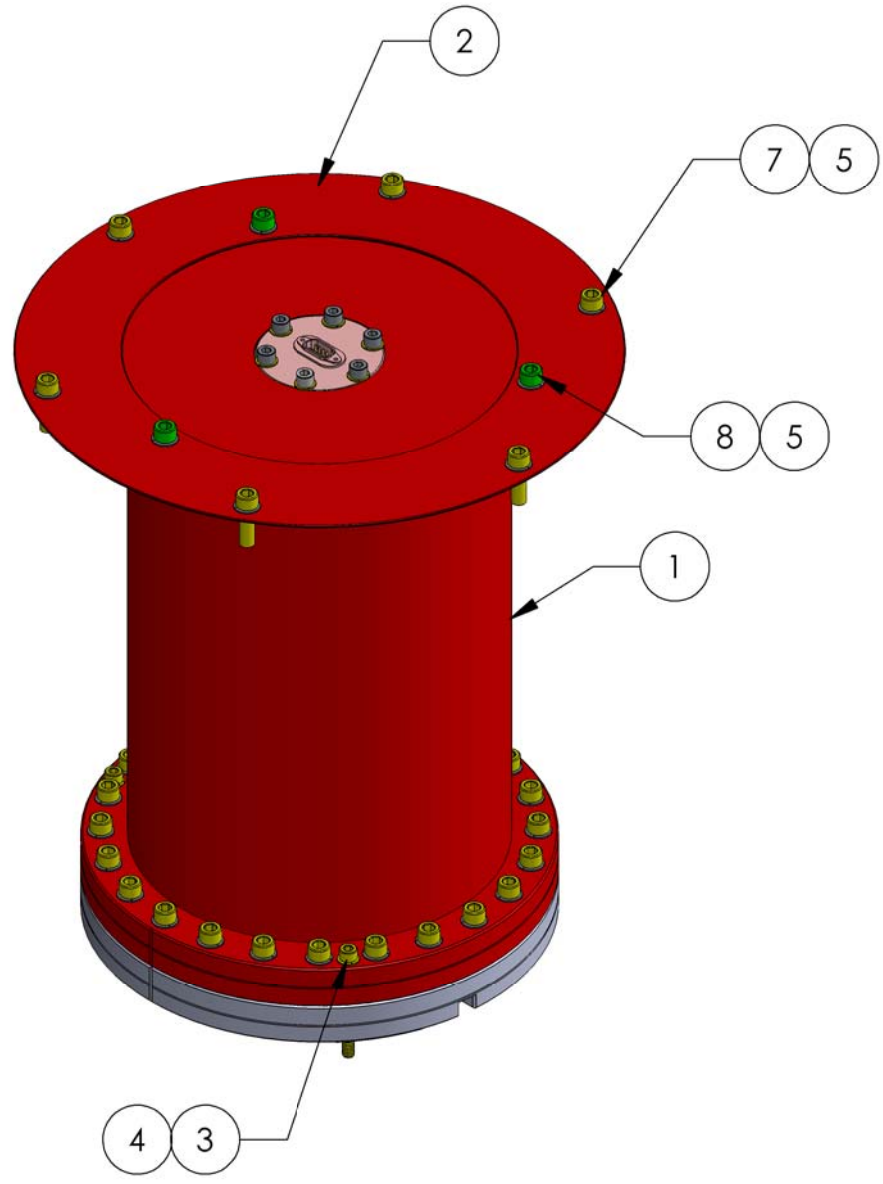
△ ASSEMBLY TO BE ADJUSTED USING SHIMS IN TABLE 2 MEASURE ASSEMBLY DURING INSTALLATION AND SELECT APPROPRIATE SHIM THICKNESS.

REV.	DATE	DCN #	DRAWING TREE #
v1	6 FEB 2010	E0900444	E1000025
v2	16 Sept. 2010	E1000422	E1000025



△ 7
Table 2

Mc Master P/N (Packs of 50)	Thickness	# of Shims per Pod Assembly
99040A702	0.002	6
94773A614	0.005	6
94773A655	0.010	3
94773A688	0.016	3
94773A714	0.020	3
94773A745	0.030	3



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
8	U-C Components_C-3116-NA	Screw shcs 5/16-24 UNF-2A X 1" lg Ag plated	Ag-PLATED 300 SSSL	3
7	U-C Components_C-3116-N	Screw shcs 5/16-24 UNF-2A X 1" lg	18-8 SSSL	6
6	McMaster_Shim Washer	Shim Washer .37 Id. X .56 od See Table for Part Number (as Req.)	18-8 SSSL	-
5	UC_COMPONENTS_WFV-31	Washer Vented, .328 ID X .562 OD X .032 THK #5/16	18-8 SSSL	9
4	UC_COMPONENTS_WFV-25	Vented Washer, .255 ID X .468 OD X .032 THK #1/4	18-8 SSSL	3
3	MC MASTER 92196A552	Screw SHCS 1/4-20 x 2.5 lg.	18-8 SSSL	3
2	D0902541	Diaphragm, Vert GS-13, BSC ISI	304, 316 OR 302 SSSL	1
1	D0900857	GS-13 Pod Assembly	N/A	1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	1. INTERPRET DRAWING PER ASME Y14.5-1994.
TOLERANCES: .XX ± N/A .XXX ± N/A	2. REMOVE ALL SHARP EDGES, R.02 MIN.
ANGULAR ± N/A *	3. DO NOT SCALE FROM DRAWING.
	4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.
MATERIAL	N/A
FINISH	N/A μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME GS-13 Pod - Vertical - aLIGO BSC-ISI	
SYSTEM ADVANCED LIGO	SUB-SYSTEM SEI	DESIGNER S.BARNUM 5 FEB 2010	SIZE DWG. NO. B D0902777
NEXT ASSY D0901182	CHECKER F.MATICHARD 6 FEB 2010	APPROVAL K.MASON 6 FEB 2010	REV. v2
SCALE: 1:4		PROJECTION: SHEET 1 OF 1	

D0902777_GS-13 Pod - Vertical - BSC, PART PDM REV: X-022, DRAWING PDM REV: X-008