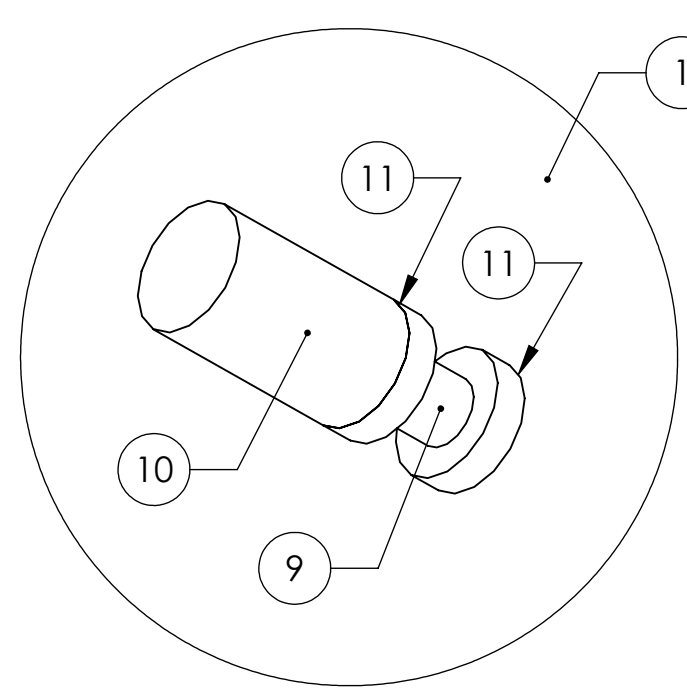
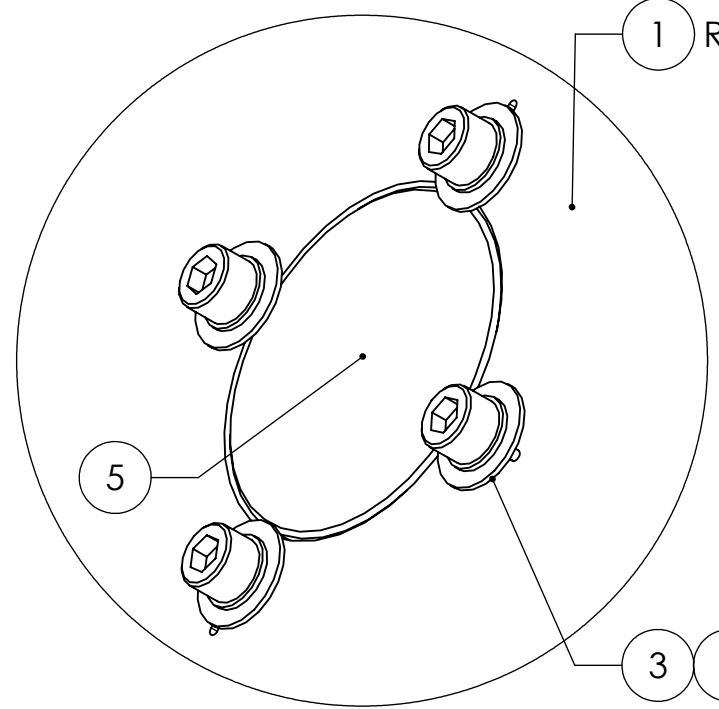


D070337\_Advanced\_LIGO\_SUS\_HLTS\_Test\_Mass\_Assembly\_PART PDM REV: V1-000, DRAWING PDM REV: V1-001

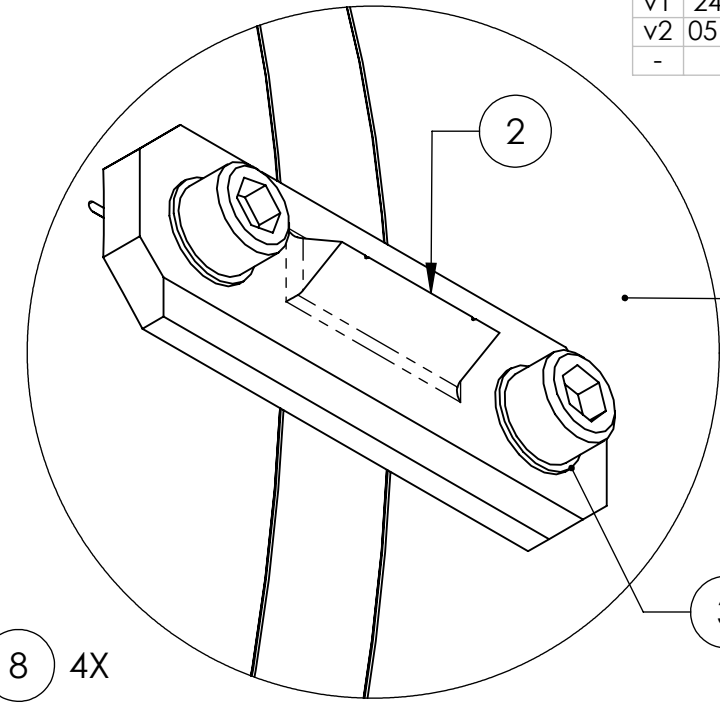
REV.	DATE	DCN #	DRAWING TREE #
v1	24 JUN 2009	E0900176	E080191
v2	05 AUG 2009	E0900232	E080191
-	-	-	-



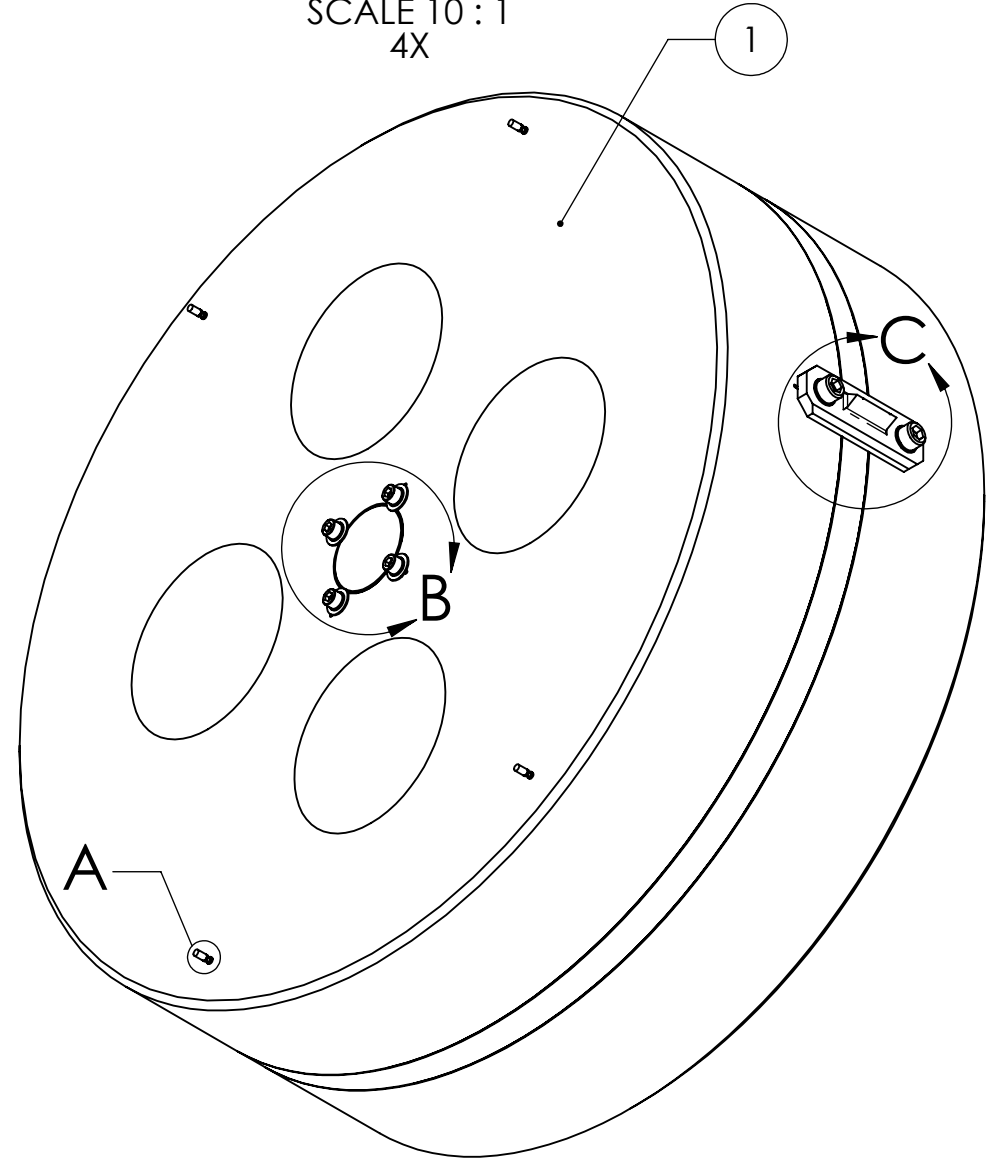
DETAIL A  
SCALE 10 : 1  
4X



DETAIL B  
SCALE 2 : 1  
2X



DETAIL C  
SCALE 2 : 1  
2X



11	-	UHV-COMPATIBLE ADHESIVE (CERAMABOND #835M OR EQUIVALENT)	-	A/R	0	0
10	SCDS-750-125	SINTERED SmCo MAGNET, 0.075 X 0.125 (MMC P/N OR EQUIVALENT)	SmCo 2:17	4	1	5
9	D970075	DUMBBELL STANDOFF	6061-T6 Al	4	4	8
8	-	SCREW, SOCKET HEAD CAP, #4-40 UNC-2A X 0.5 LONG, VENTED	300 SSTL	8	2	10
7	-	WASHER, FLAT, #4 (NAS 620-C4L OR EQUIVALENT)	300 SSTL	8	2	10
6	Y1-1037-0	HIGH POWER Nd-YAG LASER MIRROR (CVI LASER P/N OR EQUIVALENT)	BK7 GLASS	ALT	0	0
5	PW1-1037-UV	LASER GRADE WINDOW (CVI LASER P/N OR EQUIVALENT)	FUSED SILICA	2	0	2
4	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.75 LONG	300 SSTL	4	1	5
3	-	WASHER, FLAT, #8 (NAS 620-C8L OR EQUIVALENT)	300 SSTL	12	3	15
2	D080124	PRISM BREAKOFF, LOWER WIRE	304, 316 OR 302 SSTL	2	0	2
1	D070338	METAL TEST MASS	6061-T6 Al	1	0	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

1. PARTS TO BE ASSEMBLED ACCORDING TO E080208 HLTS ASSEMBLY SPECIFICATION, USING D0901460 HLTS TEST MASS MAGNET PLACEMENT FIXTURE.

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
SYSTEM <b>ADVANCED LIGO</b>		SUB-SYSTEM <b>SUS</b>	
DESIGNER	D. BRIDGES	14 JAN 2009	SIZE DWG. NO.
DRAFTER	D. BRIDGES	05 AUG 2009	<b>B</b>
CHECKER	M. MEYER	05 AUG 2009	<b>D070337</b>
APPROVAL			REV. <b>v2</b>
MATERIAL	N/A	FINISH	N/A μinch
NEXT ASSY		HLTS SUSPENSION ASSY	
SCALE: 1:2		PROJECTION:	
		SHEET 1 OF 1	