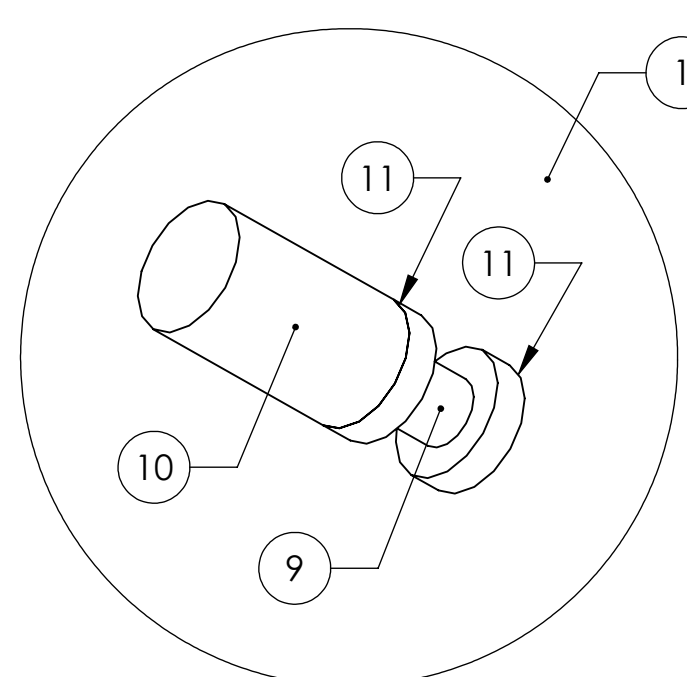
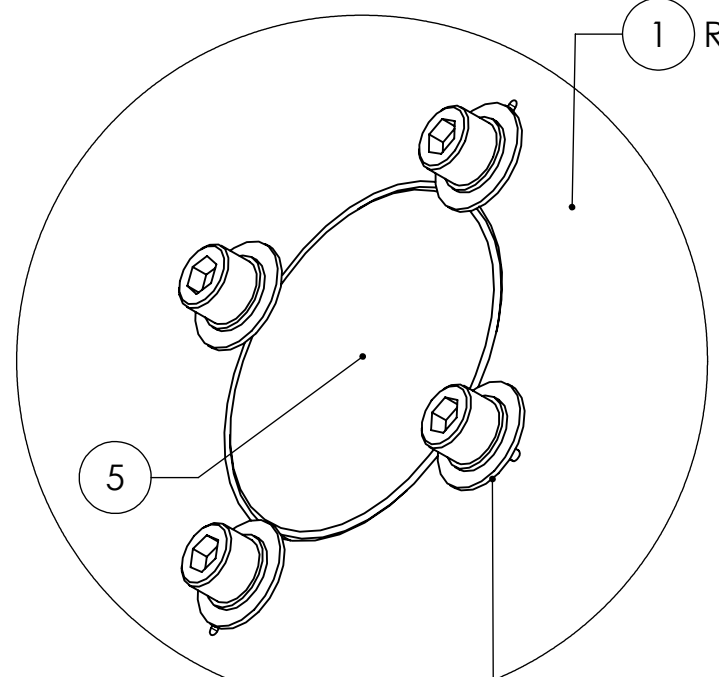


D070337\_Advanced\_LIGO\_SUS\_HLTS\_Test\_Mass\_Assembly, PART PDM REV: V2-000, DRAWING PDM REV: V2-000

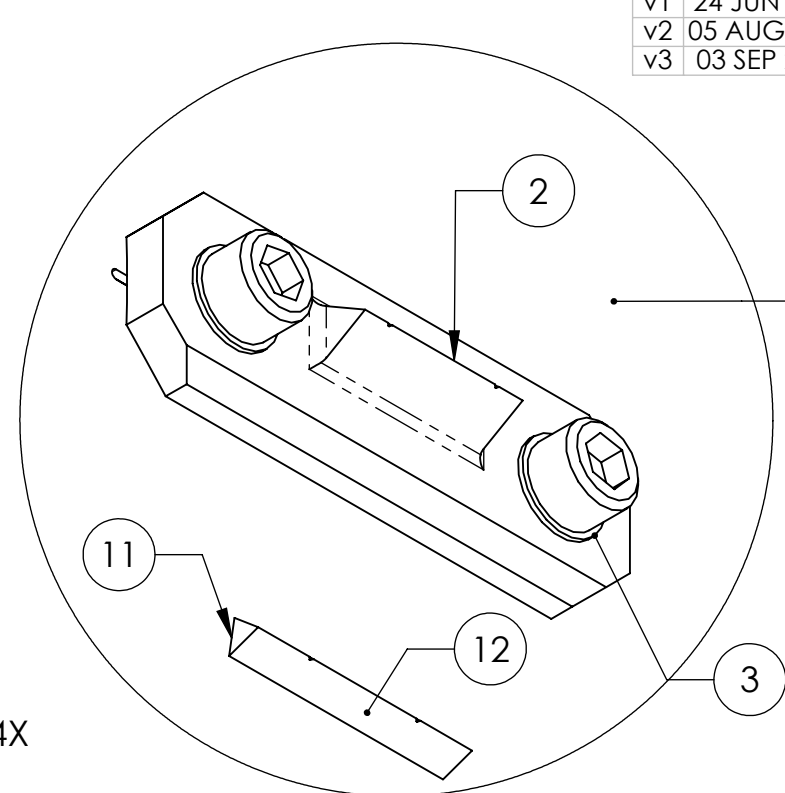
REV.	DATE	DCN #	DRAWING TREE #
v1	24 JUN 2009	E0900176	E080191
v2	05 AUG 2009	E0900232	E080191
v3	03 SEP 2009	E0900277	E080191



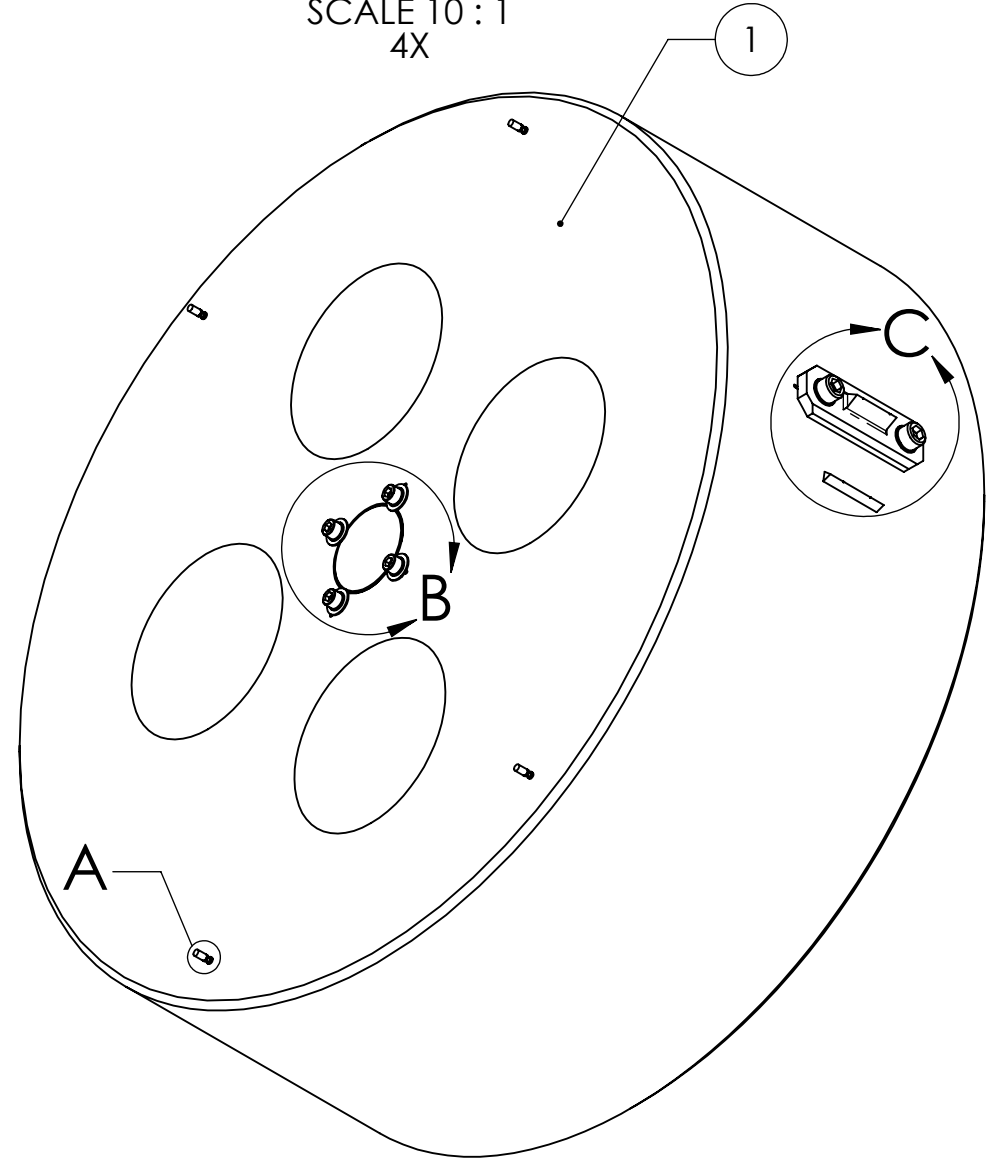
DETAIL A  
SCALE 10 : 1  
4X



DETAIL B  
SCALE 2 : 1  
2X



DETAIL C  
SCALE 2 : 1  
2X



12	D0901286	SECONDARY METAL PRISM BREAKOFF, HLTS	316 SSTL	2	1	3
11	-	UHV-COMPATIBLE ADHESIVE (CERAMABOND #835M OR EQUIVALENT)	-	A/R	0	0
10	D0901927	SINTERED SmCo MAGNET, $\phi$ 0.075 X 0.125 LONG	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	09 SEP 2009	SIZE DWG. NO.
DRAFTER	D. BRIDGES	09 SEP 2009	<b>B</b>
CHECKER	M. MEYER	09 SEP 2009	<b>D070337</b>
APPROVAL			REV. <b>v3</b>
MATERIAL		SCALE: 1:2	
FINISH		PROJECTION:	
NEXT ASSY		SHEET 1 OF 1	

MATERIAL N/A

FINISH N/A  $\mu$ inch

NEXT ASSY HLTS SUSPENSION ASSY

SCALE: 1:2 PROJECTION: SHEET 1 OF 1