

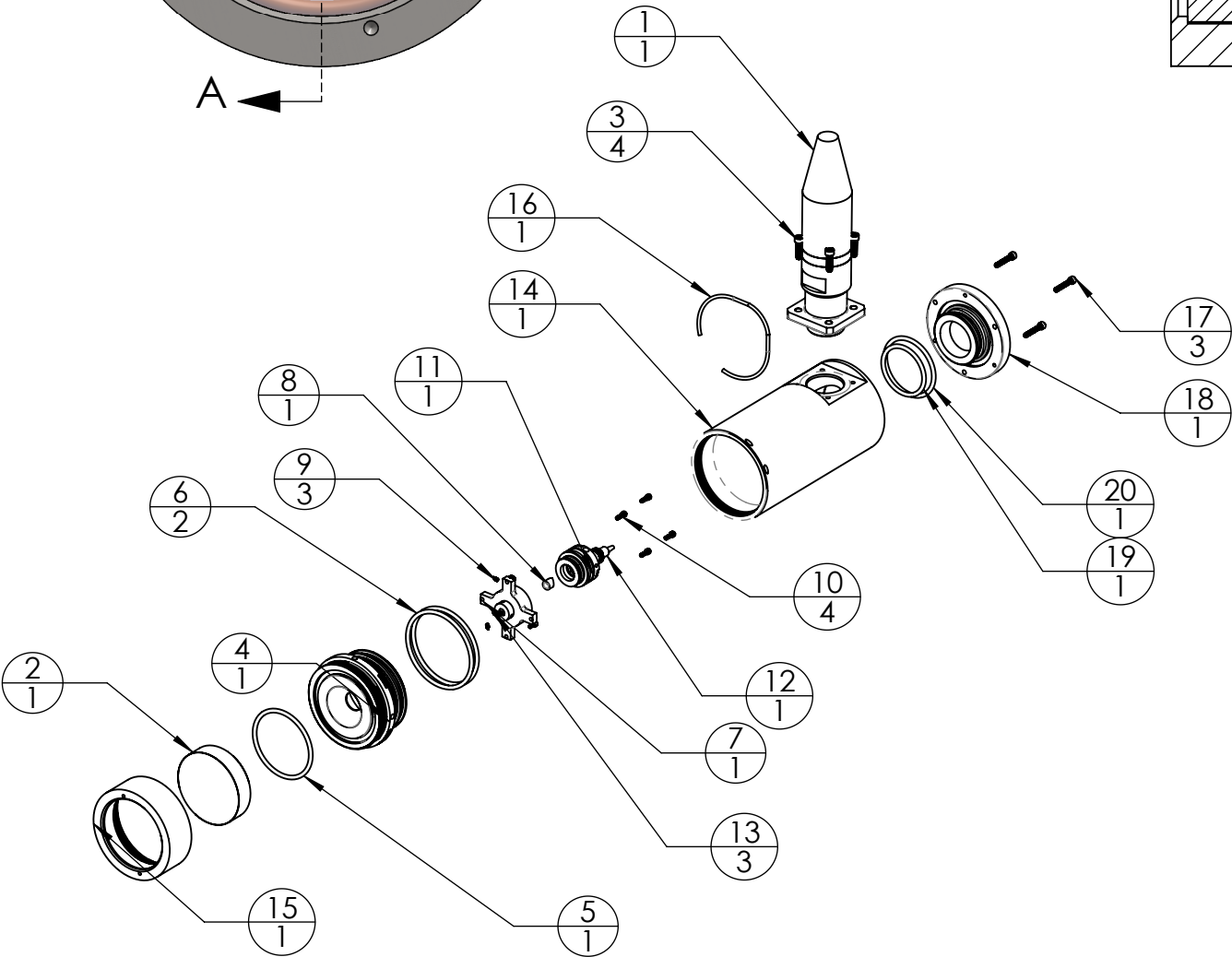
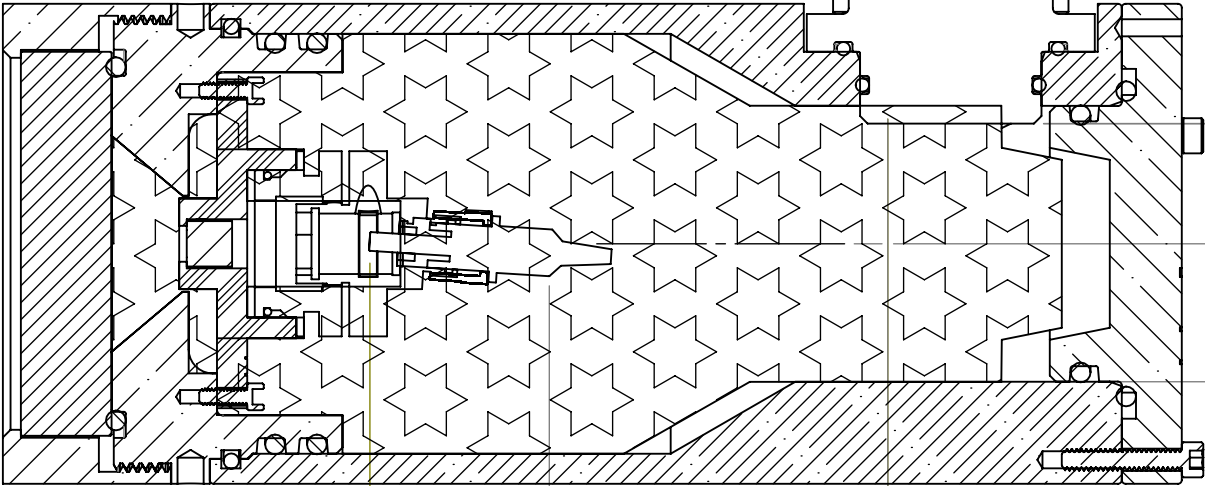
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INITIAL RELEASE

X/XX/01

J.E.

SECTION A-A
SCALE 1 : 1



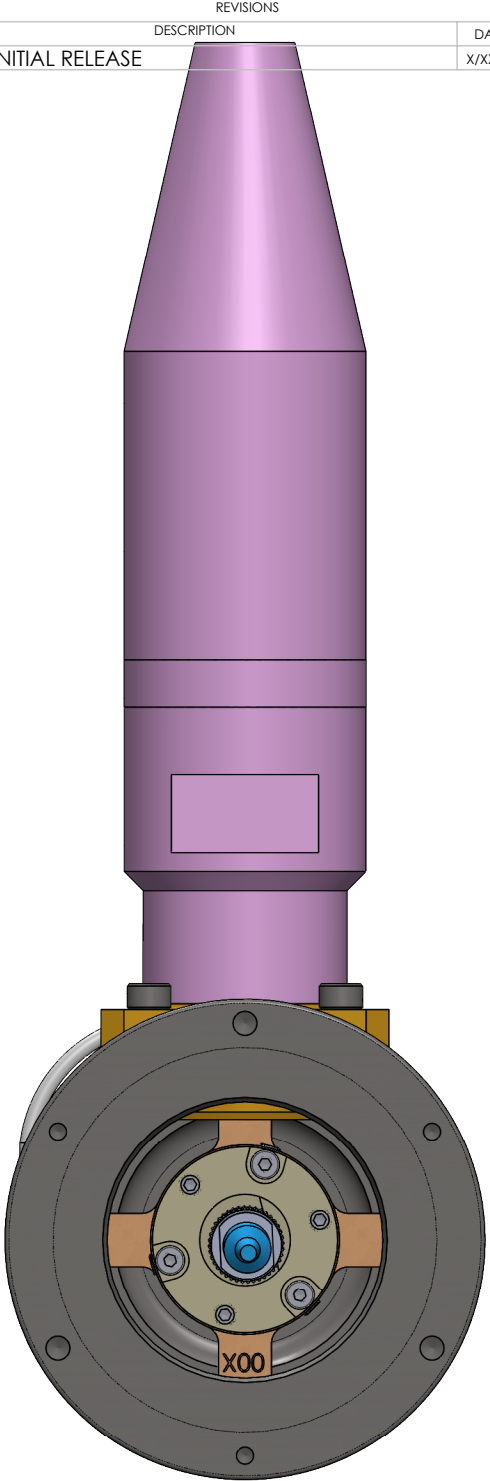
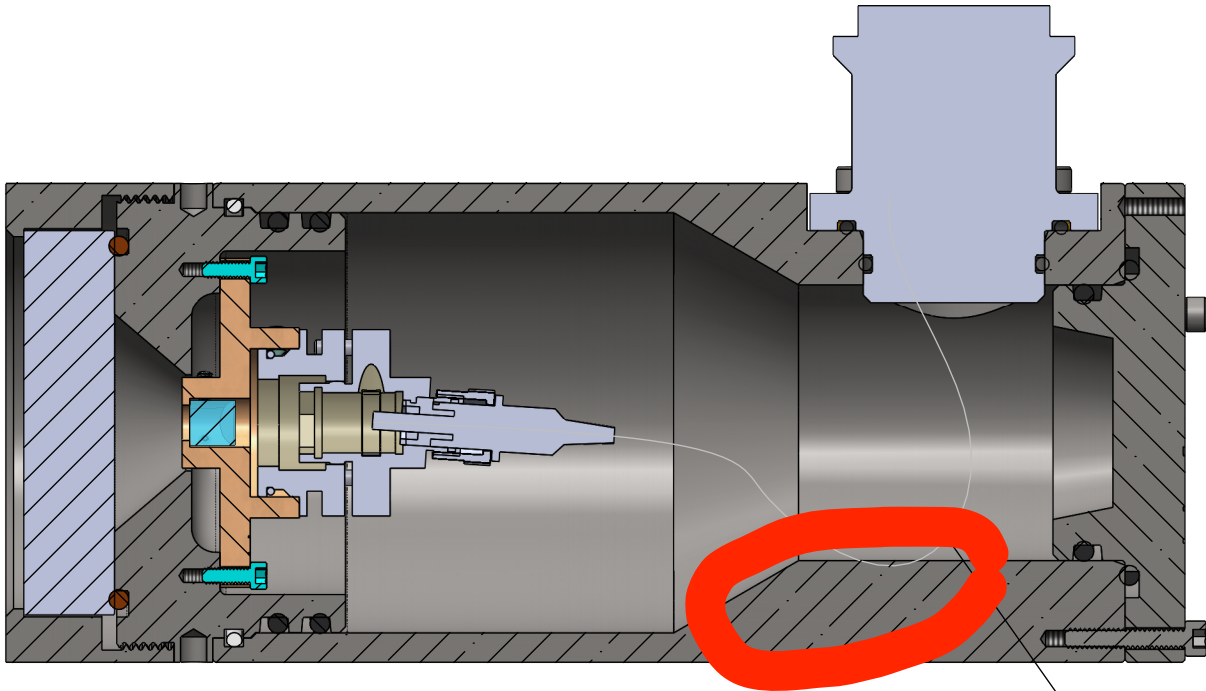
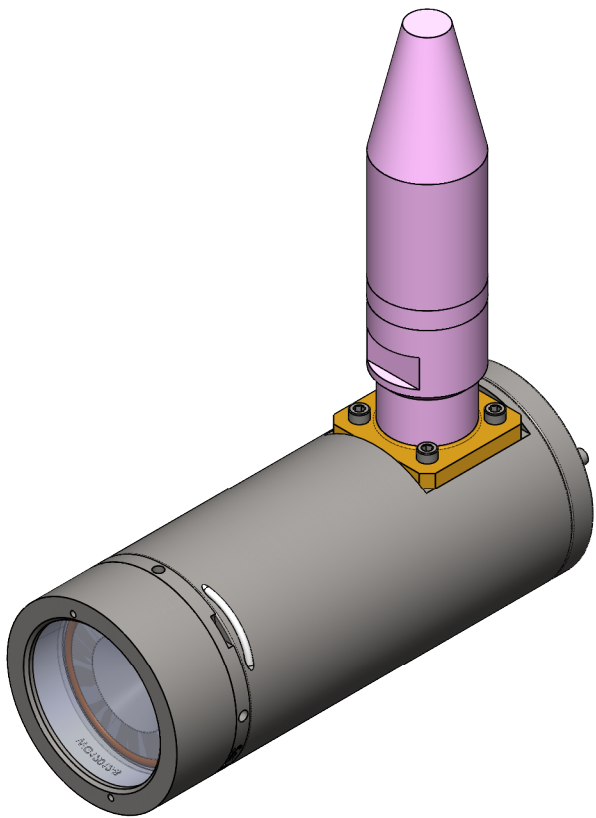
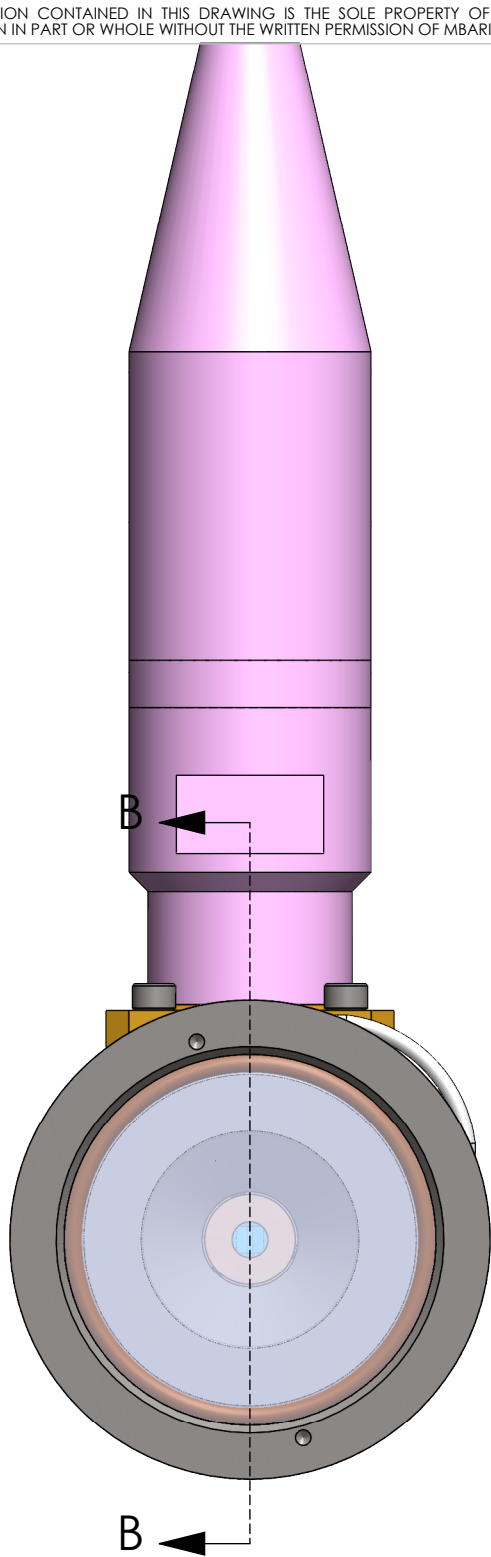
20	1	#2-128-70N	O-RING			BUNA - N
19	1	#2-124-70N	O-RING			BUNA - N
18	1	P-202066-19	PIV Fiber R.A. End Cap_V2		MBARI	6AL-4V Titanium
17	3	95435A362	#4-40 x 5/8 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
16	1	????????	.080 Dia. (2mm) Mono-Filament			
15	1	P-201790-19	PIV Port Retainer Ring V7		MBARI	6AL-4V Titanium
14	1	P-210786-20	Remote Head Laser Housing R.A._V8		MBARI	6AL-4V Titanium
13	3	91217A055	M3-0.5x4mm ConePt.		McMaster-Carr	AISI 304
12	1	S-FUXX-9/125/.25-0.3-X	FC/UPC connector, 0.3 meter		Coastal Connections	
11	1	Schäfter+Kirchhoff 60SMS-1-0-A6.2S-01	Shafter Fiber Collimator (sldprt)		Shafter	
10	4	92185A077	#2-56 x 1/4 Soc Hd Cap		McMaster-Carr	AISI 316
9	3	93285A009	M2-0.4 x 3mm Nylon-Tip		McMaster-Carr	AISI 304
8	1	LOCP-6.0R60-1.4	Powell Lens 60 1.4 mm beam		LaserLine Optics Canada Inc.	
7	1	P-201965-18	Powell Lens Adaptor - Shafter	B	MBARI	PEEK
6	2	2-136 70-N	O-RING			BUNA - N
5	1	2-132 75	O-RING			Viton Fluoroelastomer
4	1	P-201783-16	PIV Housing EndCap_V7	A	MBARI	6AL-4V Titanium
3	4	95435A485	#6-32 x 1/2 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
2	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm		THOR LABS	
1	1		FCR OptoLink Fiber Penetrator		Seacon	
ITEM NO.	Explode/QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute				
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	2/27/19	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 					
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	J. ERICKSON	2/27/19						
Engineer						CHECKED								
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506		PIV REMOTE LASER HEAD R.A. Remote Laser Head Assembly V8					
						PROJECT	Deep PIV							
Application		DO NOT SCALE DRAWING				WEIGHT	2.516		SIZE B	DWG. NO.		A-201785-20.DWG		REV.
						SCALE	1:4		CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 3			

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.



SECTION B-B
SCALE 1 : 1

Length 5.140

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Remote Head_V7
NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$
Shop Foreman		3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$
Engineer		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.	
NEXT ASSY Description	NEXT ASSY Number		
Application		DO NOT SCALE DRAWING	
		APPROVALS	DATE
		DRAWN J. ERICKSON	2/27/19
		ENGINEER J. ERICKSON	2/27/19
		CHECKED	
		PROJECT NO.	901506
		PROJECT	DEEP PIV
		WEIGHT	2.516 lb.
Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
PIV REMOTE LASER HEAD R.A. Remote Laser Head Assembly V8			
SIZE B		DWG. NO.	REV.
SCALE 1:2		A-201785-20.DWG	
CAD FILE: MECH ENG ON TORNADO		SHEET 2 OF 3	

