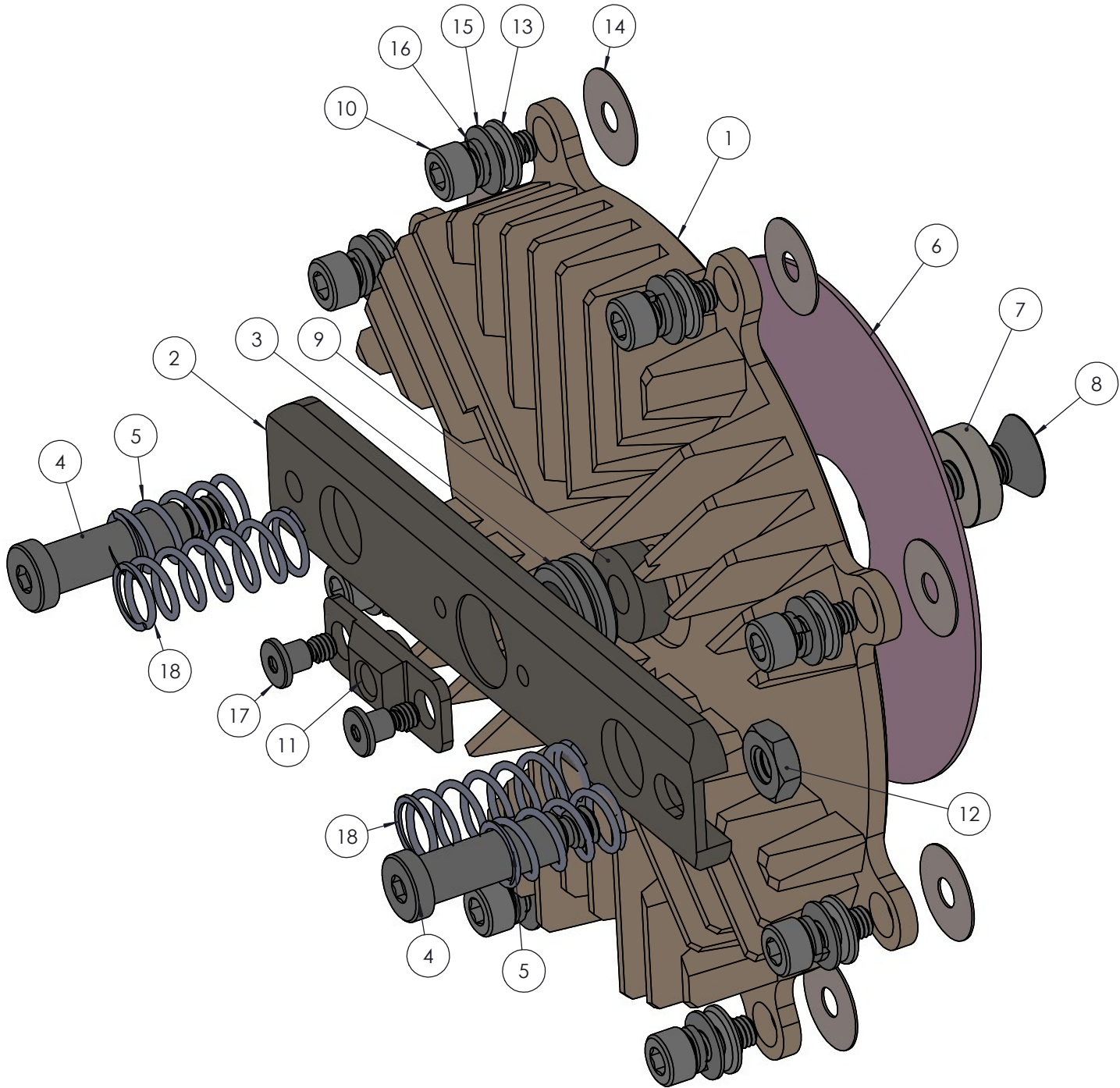


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	XX	XX/XX/202X	
C	XX	XX/XX/202X	



NOTE 2. SWIVEL BEARING ITEM #3 IS A PRESS FIT INTO ITEM #2 MBARI PIN PLATE.

NOTE 3: THICKNESS OF ITEM #9, CHASSIS SPACER IS CALIBRATION DEPENDENT AND USED TO MATCH ALIGNMENT CONE SHIM LENGTH. SEE CALIBRATION PROCEDURE.

NOTE 1. SOLID MODEL LOCATION:
\\atlas\ProjectLibrary\902001_4K_ROVCameraDevelopment
\\EngineeringDesignDocuments\MechanicalDesign\4K_CameraChassis\100221414-40-B_BulkheadMount_Assembly.SLDASM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100221414-39-C_BulkheadMount	MBARI bulkhead mount	1
2	100221414-59-B_RearPinPlate	MBARI rear pin plate	1
3	63215K64	0.25_ID_303_SwivelBearing	1
4	90337A463	0.3125x1.00_18-8_LowProfilePrecisionShoulderScrew_ModifiedFrom90337A463	2
5	LeeSpring-LCM125FF 01 M	LeeSpring-LCM125FF 01 M stock spring	2
6	100221414-43-A_ThermalPad_0.040_RearBulkhead	Thermal pad cut from Digikey PN 926-1609-ND	1
7	100221414-57-A_ClampWasher	MBARI clamp washer	1
8	91253A312	0.250-28x1.125_Alloy_HexFlatHeadScrew	1
9	100221414-100-A_0.180_ChassisSpacer	100221414-100-A_0.180_ChassisSpacer	0.18
10	91292A125	M5x0.8x12mm_18-8_SocketHeadCapscrew	8
11	100221414-42-C_SquareClampNut	MBARI square clamp nut	1
12	94846A029	0.250-20_AlloySteelNut	1
13	90062A011	#10_NylonShoulderWasher	8
14	#10_ThermalWasher_DigikeyPN_1944-1347-ND	Stock thermal washer	8
15	90107A011	#10_316_FlatWasher	8
16	94241A260	#10_316_SplitLockWasher	8
17	90318A680	#8-32x0.1875_316_UltraLowProfileShoulderScrew	2
18	LeeSpring-LCM125FF 02 M	LeeSpring-LCM125FF 02 M stock Spring	2

Shop / Q.C.		BILL OF MATERIALS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.005	3 PLACE DIM ±.005	ANGLE ±°	DRAWN MRC 01/19/2021
Shop Foreman		1. DIMENSIONS ARE IN INCHES. 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADIUS .015-.020. 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 MARK R. CHAFFEY (831) 775-1708 mrc@mbari.org
Engineer						PROJECT No. 902001
NEXT ASSY Description	NEXT ASSY Number					PROJECT Name 4K ROV CAMERA
APPLICATION		DO NOT SCALE DRAWING		WEIGHT		SIZE C
						DWG. NO. 100221414-40-B-ASM
						SCALE
						CAD FILE:
						REVISIONS REV. B



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