

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
FALPIX. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF FALPIX IS
PROHIBITED.

4

3

2

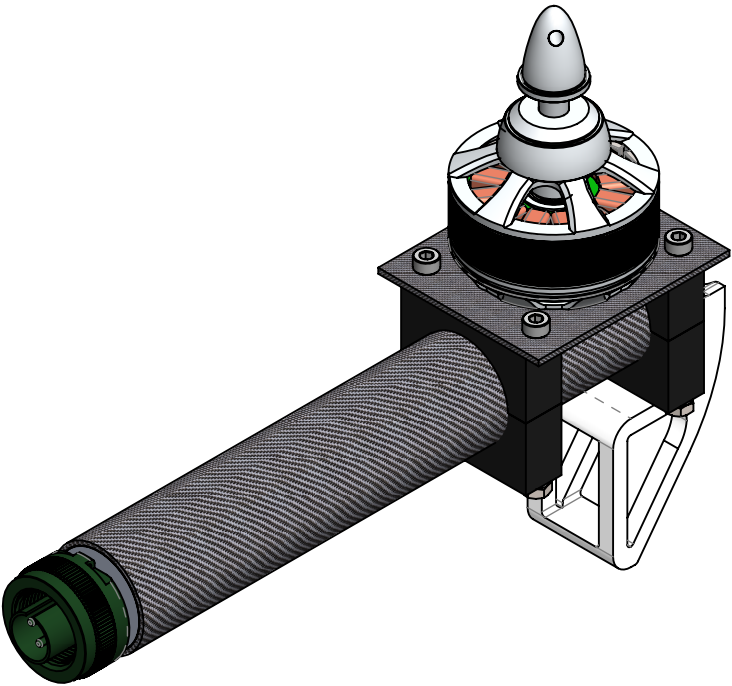
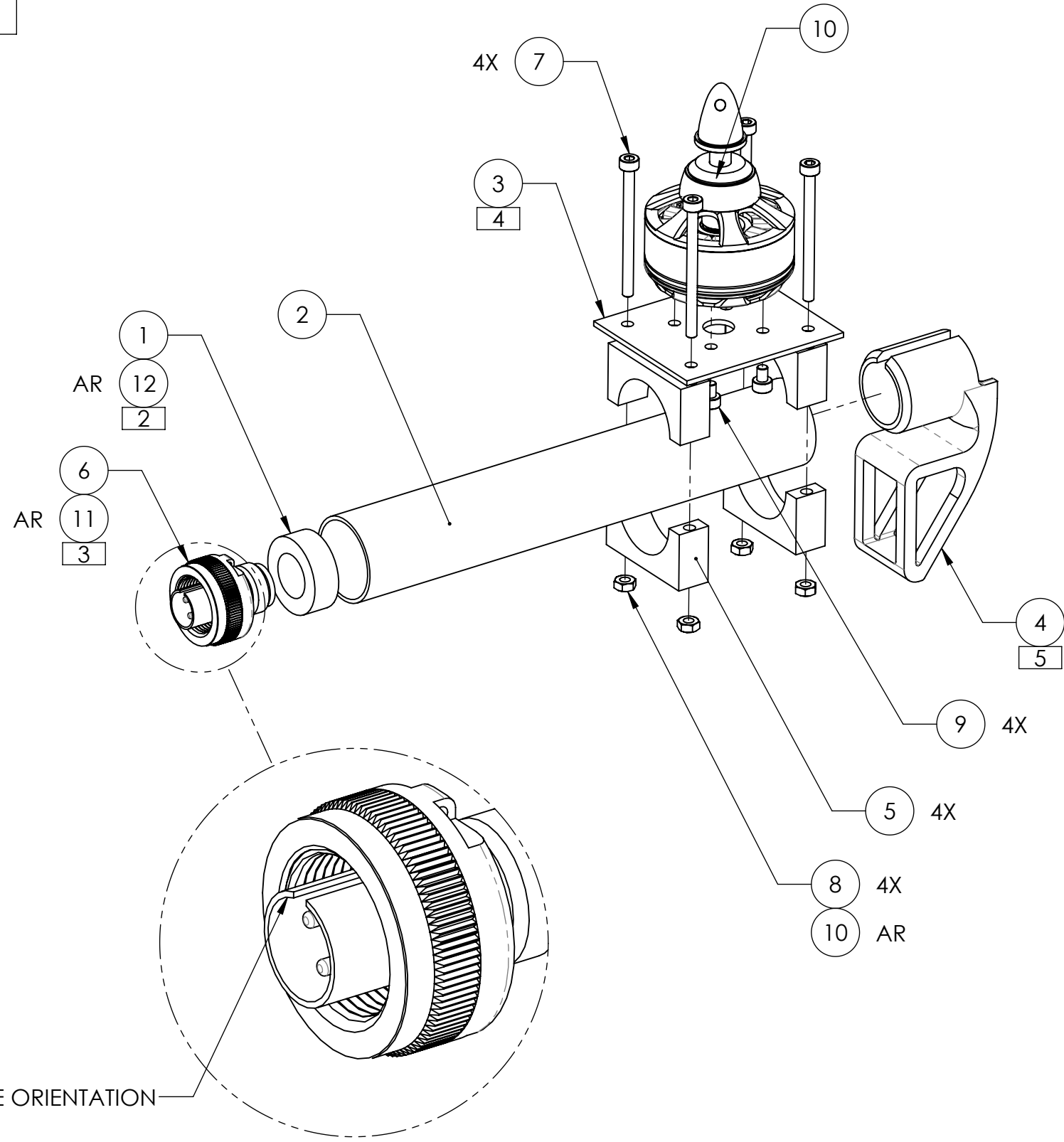
1

B

B

A

A



DRAWING NOTES: UNLESS OTHERWISE SPECIFIED

1. NOTES TO BE PERFORMED IN SEQUENTIAL ORDER.
2. APPLY ITEM 12 (EPOXY) TO OUTER DIAMETER OF ITEM 1 (ADAPTER COLLET) AND JOIN FLUSH WITH ITEM 2 (C.F. TUBE). LET EPOXY CURE AT ROOM TEMPERATURE FOR 48 HOURS.
3. APPLY ITEM 11 (LOCTITE) TO THREADS OF ITEM 6 (AMP PLUG) AND THREAD INTO ADAPTER COLLET.
4. ITEM 3 (MOTOR MOUNT PLATE) SHOULD BE PARALLEL WITH NOTCH ON ITEM 6 (AMP PLUG). SEE DETAIL ON ORIENTATION.
5. PRESS FIT ITEM 4 (LANDING GEAR) INTO I.D. OF ITEM 2 (CARBON FIBER TUBE).

4

3

2

1

	NAME	DATE	FALPIX		
DRAWN	P. Maroli	5/23/17			
CHECKED	Jake K.	5/25/17			
CALL (925)-963-2273 WITH ANY QUESTIONS REGARDING THIS DWG.			TITLE: ARM ASSEMBLY		
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5			SIZE B	DWG. NO. A1001	REV B
MATERIAL			SCALE: 2:3		
FINISH			WEIGHT:		SHEET 1 OF 2
DO NOT SCALE DRAWING					

UNLESS OTHERWISE SPECIFIED:		
DIMENSIONS ARE IN INCHES TOLERANCES:		
ANGULAR	±20'	
TWO PLACE DECIMAL	±0.01	
THREE PLACE DECIMAL	±0.003	

DRAWN BY: P. Maroli
DATE: 5/23/17
REV: B



ENGINEERING PARTS LIST

A1001, ARM ASSEMBLY

ITEM NO.	Default/Qty.	NUMBER	DESCRIPTION
1	1	Q1004	ADAPTER,AMP CONNECTOR
2	1	Q1005	ARM
3	1	Q1006	MOTOR MOUNT PLATE
4	1	Q1009	LANDING GEAR,ABS,INVERT
5	4	P1000	MOTOR CLAMP
6	1	8903T12	CONN,MIL SPEC,3 PIN,PLUG
7	4	91290A136	SHCS,M3X40
8	4	90591A250	HEXNUT,M3
9	4	91290A109	SHCS,M3X4
10	1	GA0042	ARRIS 3508 MOTOR
11	0	S-13779	LOCTITE,THREADLOCK,242
12	0	DP-460	EPOXY,SCOTCH-WELD