

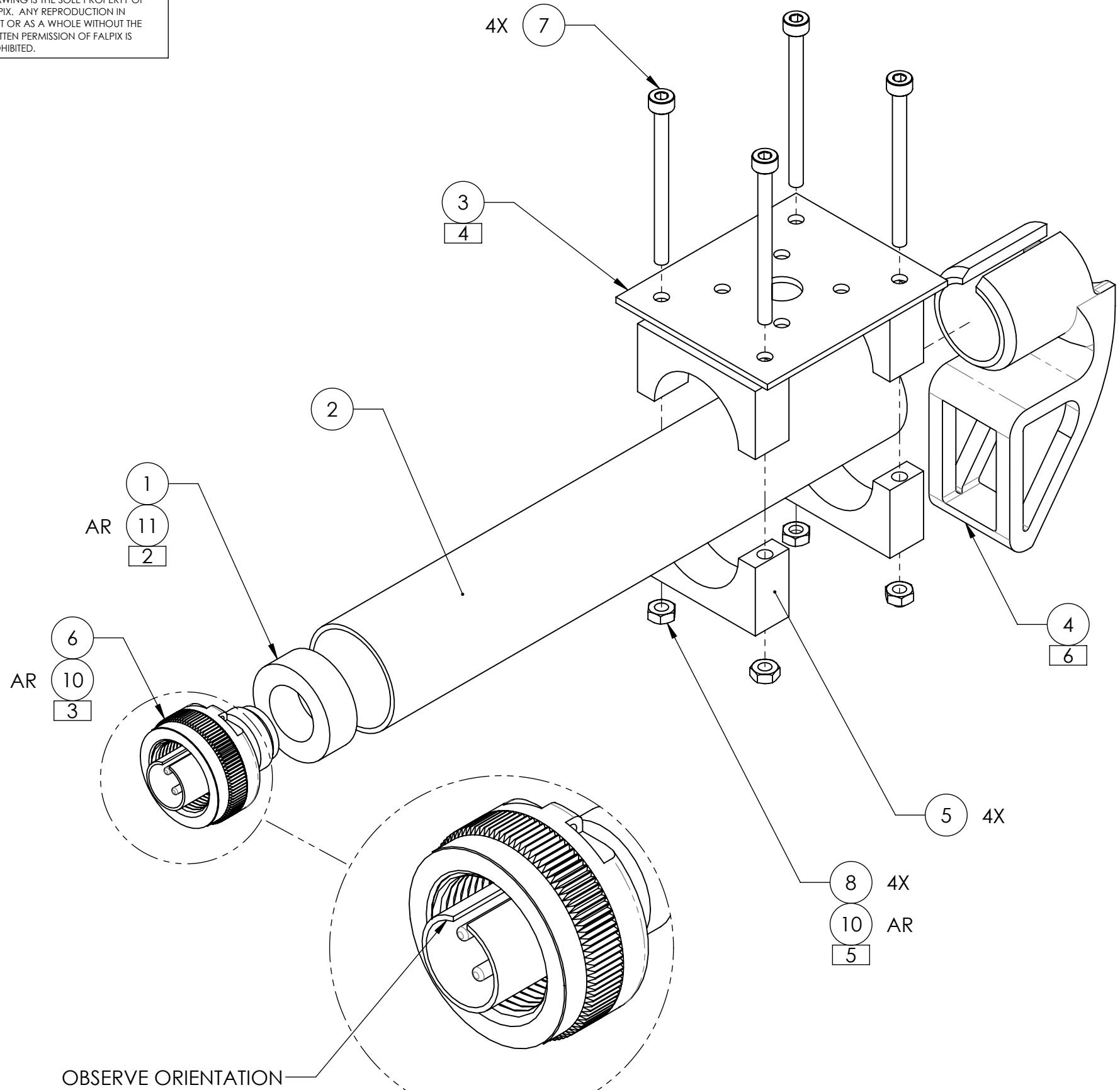
4

3

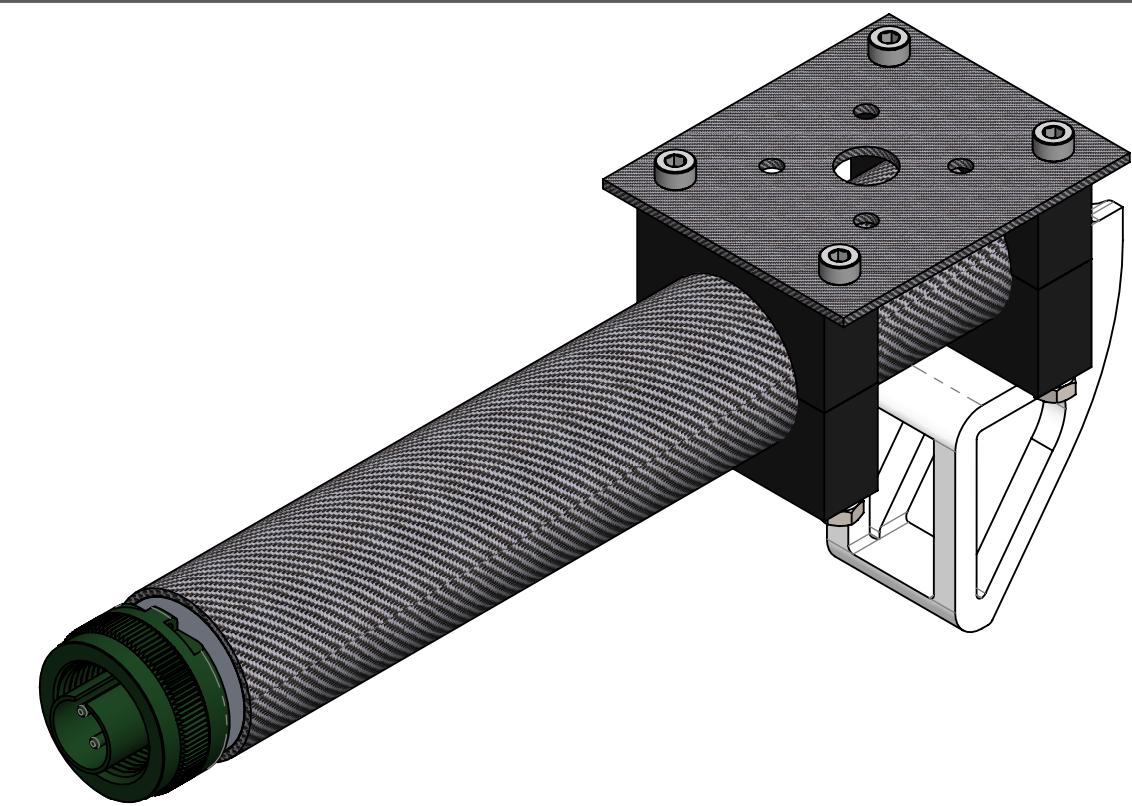
2

1

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.



SOLIDWORKS Educational Product. For Instructional Use Only



DRAWING NOTES: UNLESS OTHERWISE SPECIFIED

- NOTES TO BE PERFORMED IN SEQUENTIAL ORDER.
- APPLY ITEM 10 (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.
- APPLY ITEM 9 (LOCTITE) TO THREADS OF ITEM 6 (AMP PLUG) AND THREAD INTO ADAPTER COLLET.
- ITEM 3 (MOTOR MOUNT PLATE) SHOULD BE PARALLEL WITH NOTCH ON ITEM 6 (AMP PLUG). SEE DETAIL ON ORIENTATION.
- APPLY ITEM 9 (LOCTITE) TO THREADS OF ITEM 8 (HEX NUT) BEFORE FASTENING SCREWS.
- PRESS FIT ITEM 4 (LANDING GEAR) INTO I.D. OF ITEM 2 (CARBON FIBER TUBE).

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

	NAME	DATE
DRAWN	P. Maroli	5/23/17
CHECKED		
CALL (925)-963-2273 WITH ANY QUESTIONS REGARDING THIS DWG.		
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		
SCALE: 1:1	WEIGHT:	SHEET 1 OF 2

FALPIX

TITLE:
ARM ASSEMBLY

REV
B

4

3

2

1

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



ENGINEERING PARTS LIST

A1001, ARM ASSEMBLY

ITEM NO.	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	0	S-13779	LOCTITE,THREADLOCK,242
10	0	DP-460	EPOXY,SCOTCH-WELD