

4

3

2

1

D

D

C

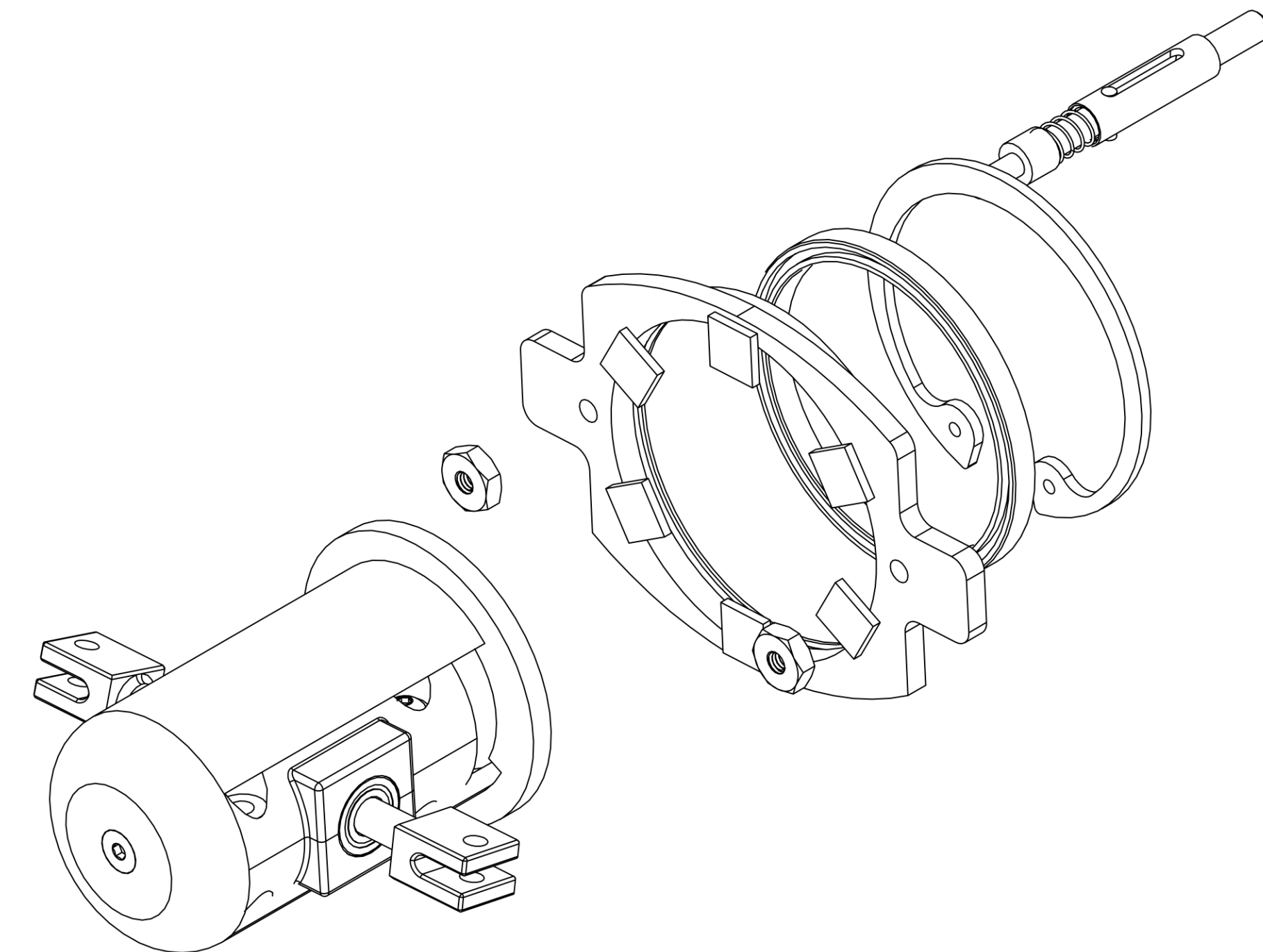
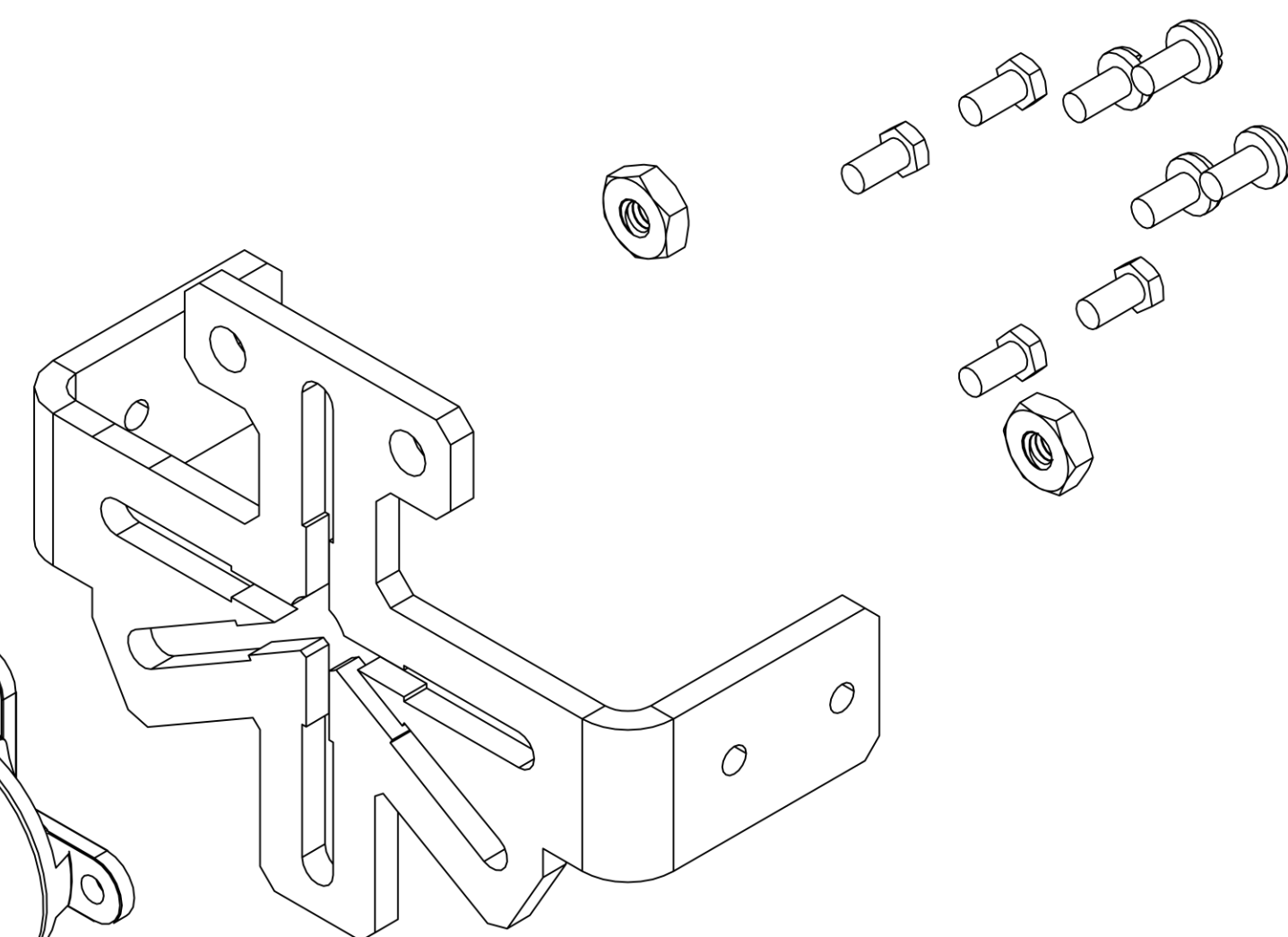
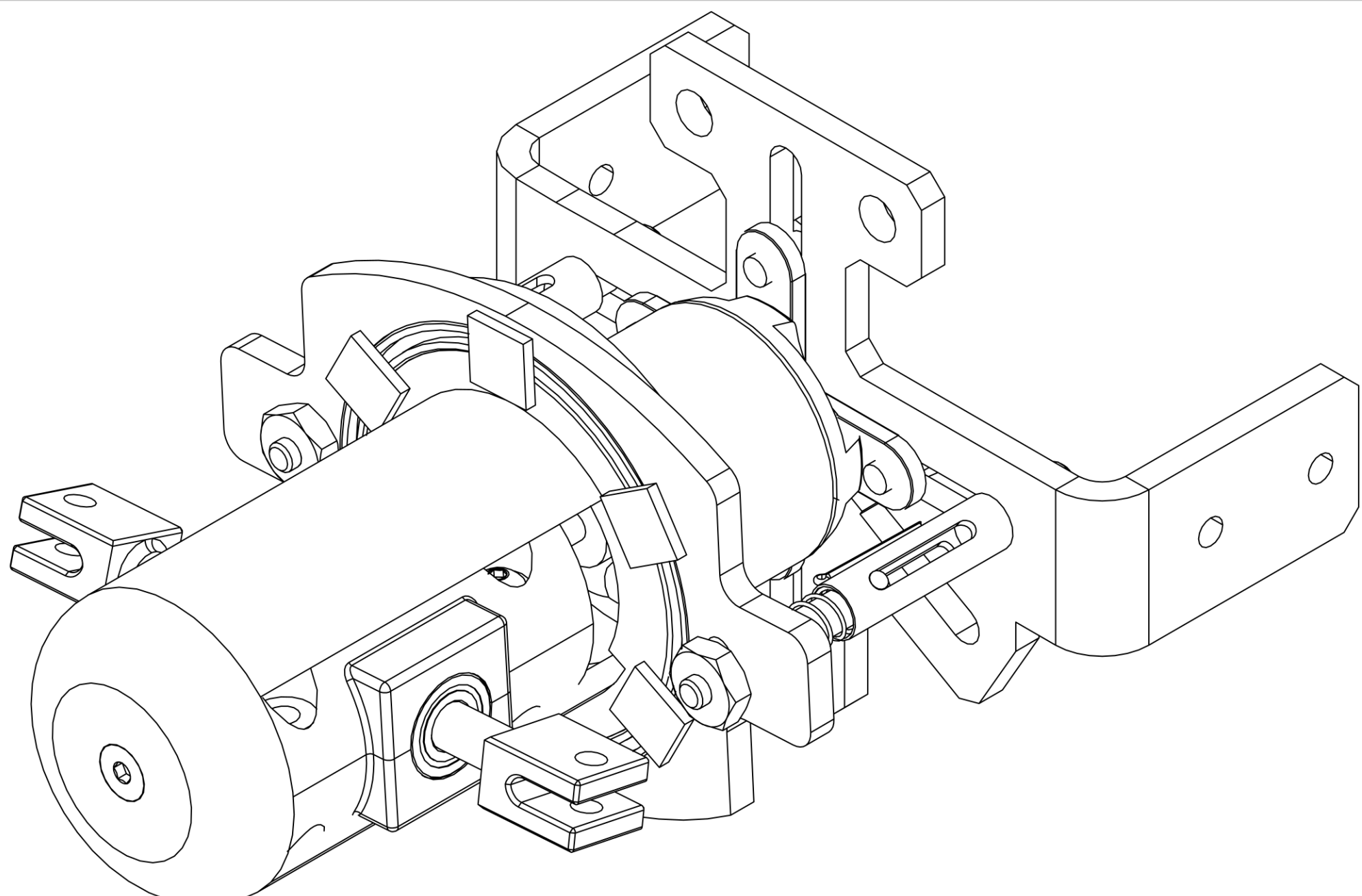
C

B

B

A

A



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		DIMENSIONS ARE IN INCHES		CHECKED		JP	03-06-25	TITLE:	
		TOLERANCES:		ENG APPR.				Small Completed Assembly	
		FRACTIONAL ±		MFG APPR.				SIZE	
		ANGULAR: MACH ± BEND ±		Q.A.				DWG. NO.	
		TWO PLACE DECIMAL ±		COMMENTS:				S.W.A.-01	
		THREE PLACE DECIMAL ±						REV	
		INTERPRET GEOMETRIC TOLERANCING PER:						SCALE: 1:4	
		MATERIAL						WEIGHT:	
		FINISH						SHEET 1 OF 4	
NEXT ASSY		USED ON		APPLICATION		DO NOT SCALE DRAWING			

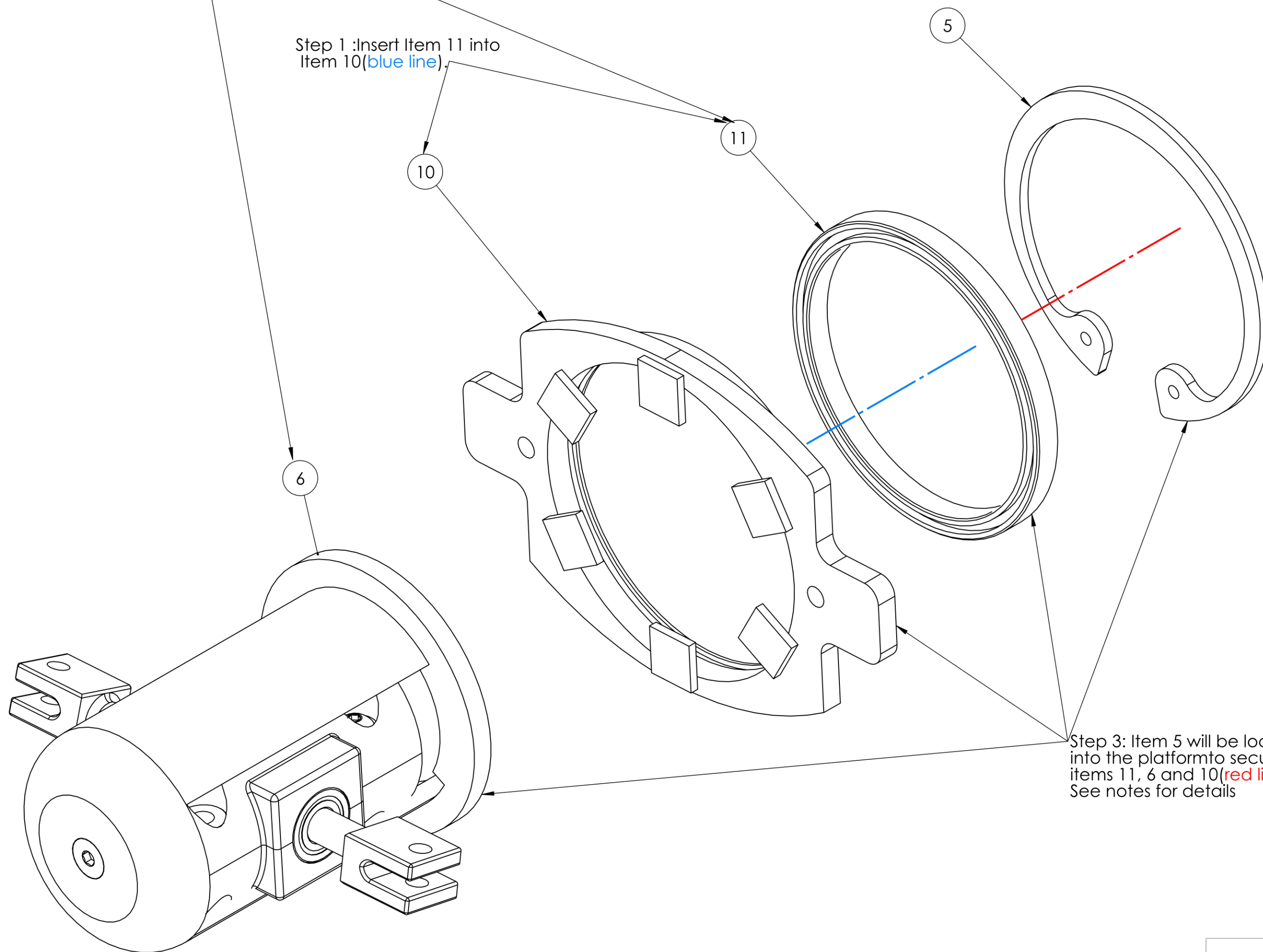
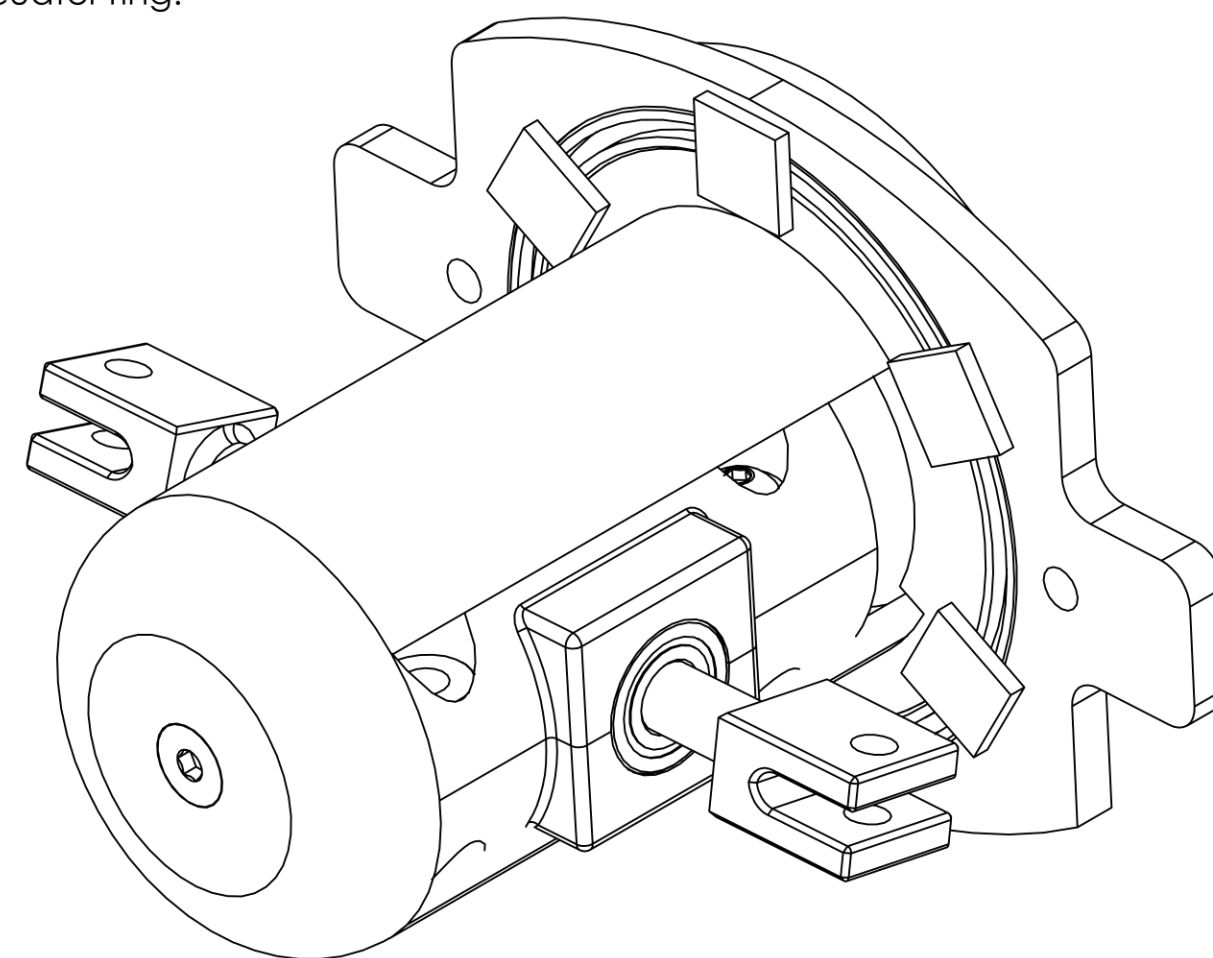
Notes:

- The accuator ring and plunger cover can be easily separated because it is a snap on. The accuator ring needs to be separated from the hub assembly, and inserted into the bearing and seated into the platform from the backside, and it will be locked in with item 5. Reassamble to the hub assembly(plunger cover) to the accuator ring.
- All parts in the part list being portrayed is in bold.
- The hex nut within Item 6 will be threaded onto the collet and the collet will have the motor shaft threaded directly into the collett.

Step 2: Insert Item 6 into Item 11 from behind (pink lines). See notes for details.

Step 1: Insert Item 11 into Item 10 (blue line).

Step 3: Item 5 will be lock into the platform to secure items 11, 6 and 10 (red line). See notes for details



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Motor Mount		1
2	Motor_BLDC_2212,6T_2200KV_With_Sup_port_		1
3	Part1^CompleteAssemblyStep1		1
4	Springassembly		2
5	99142A570	Internal Retaining Ring	1
6	HubAssembly		1
7	90480A009	Low-Strength Steel Hex Nut	2
8	90480A165	Low-Strength Steel Hex Nut	2
9	ANSI B18.8.1-0.031x0.5		2
10	Platform_w_Holes		1
11	AFBMA 12.2 - 1.6250 - 1.8750 - 0.1562 - 60,SI,NC,60		1
12	IN-HHMS 0.125-44x0.25x0.25-N		4
13	SL-PHMS 0.125-44x0.25x0.25-N		4

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TOLERANCES:		CHECKED	
FRACTIONAL ±		ENG APPR.	
ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL		
FINISH			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

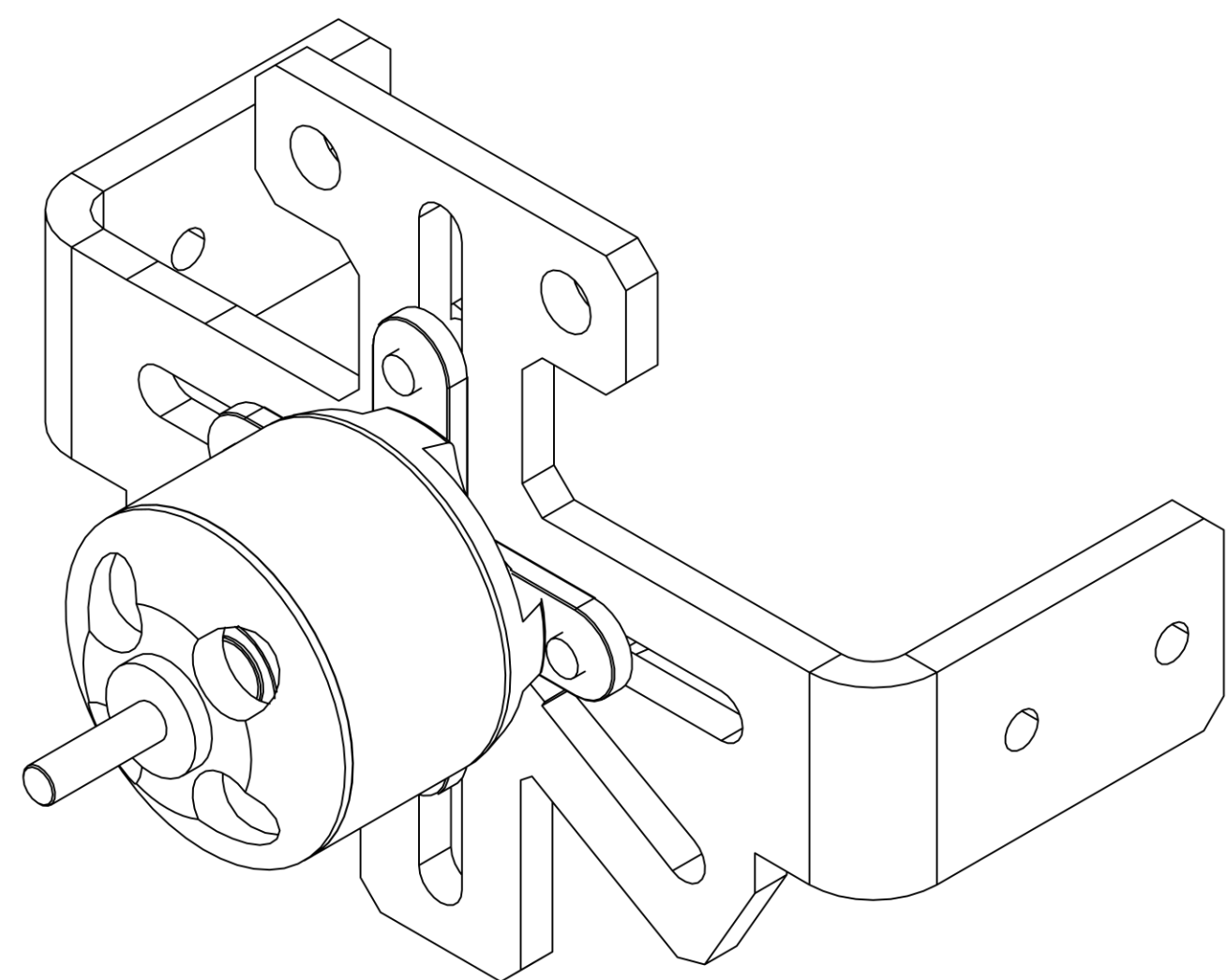
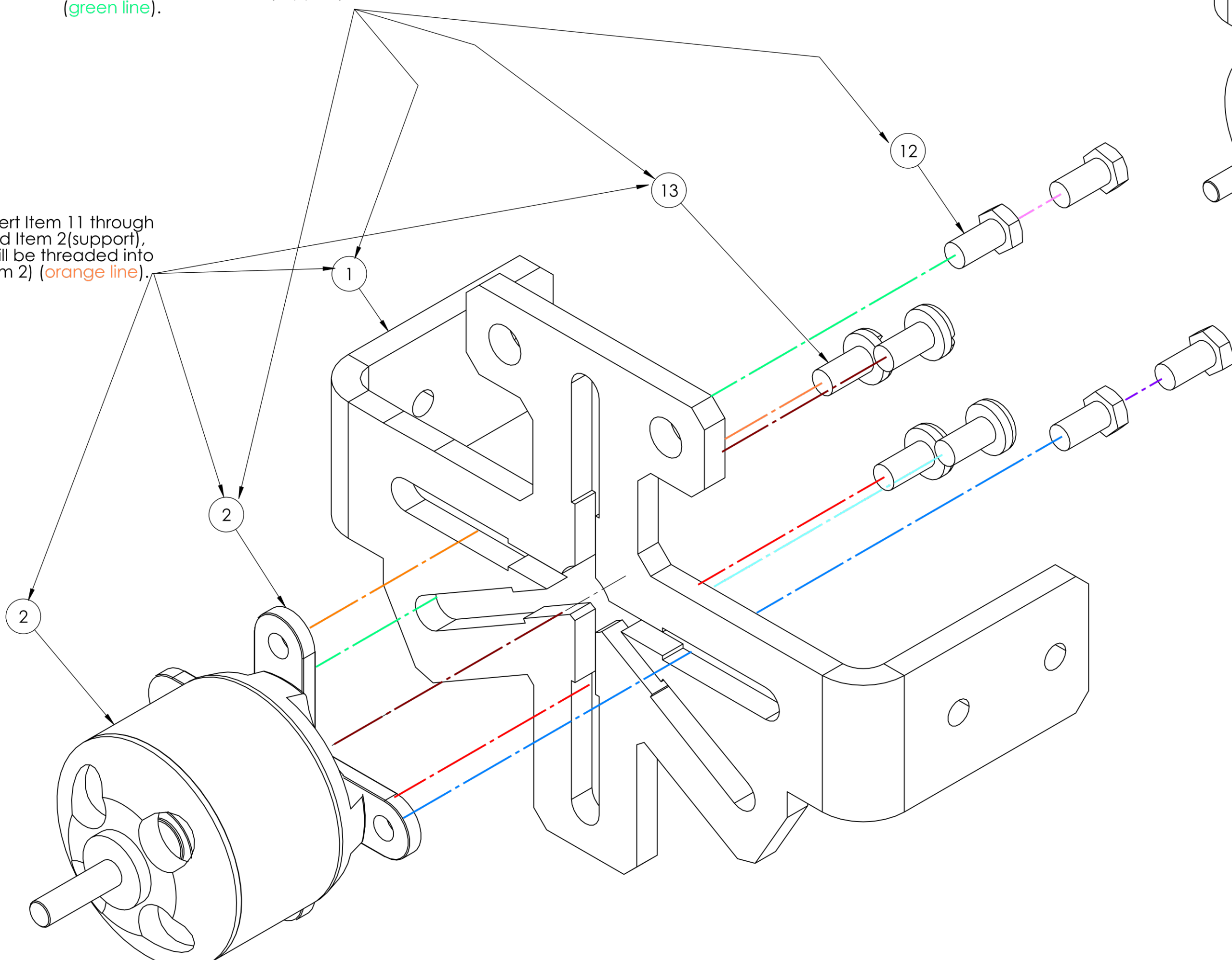
TITLE:  
**Small Assembly: Platform**

SIZE DWG. NO. REV  
**C S.W.A.-02**

SCALE: 1:2 WEIGHT: SHEET 2 OF 4

Step 1: Insert Item 12 through Item 1 and threaded into Item 2 (support) (green line).

Step 2: Insert Item 11 through Item 1 and Item 2 (support), and it will be threaded into motor (item 2) (orange line).



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Motor Mount		1
2	Motor_BLDC_2212, 6T_2200KV_With_Support_		1
3	Part1^CompleteAssemblystep2		1
4	Springassembly		2
5	99142A570	Internal Retaining Ring	1
6	HubAssembly		1
7	90480A009	Low-Strength Steel Hex Nut	2
8	90480A165	Low-Strength Steel Hex Nut	2
9	ANSI B18.8.1-0.031x0.5		2
10	Platform_w_Holes		1
11	AFBMA 12.2 - 1.6250 - 1.8750 - 0.1562 - 60,SI,NC,60		1
12	IN-HHMS 0.125-44x0.25x0.25-N		4
13	SL-PHMS 0.125-44x0.25x0.25-N		4

- Notes:
- Steps will need to be repeated 3 additional times after the first iteration.
  - Holes and lines are overlapping another, therefore, the motor support (Item 2) will be mounted the flight stand then secure the motor bracket.
  - All items in bold font in the parts list is in the drawing.

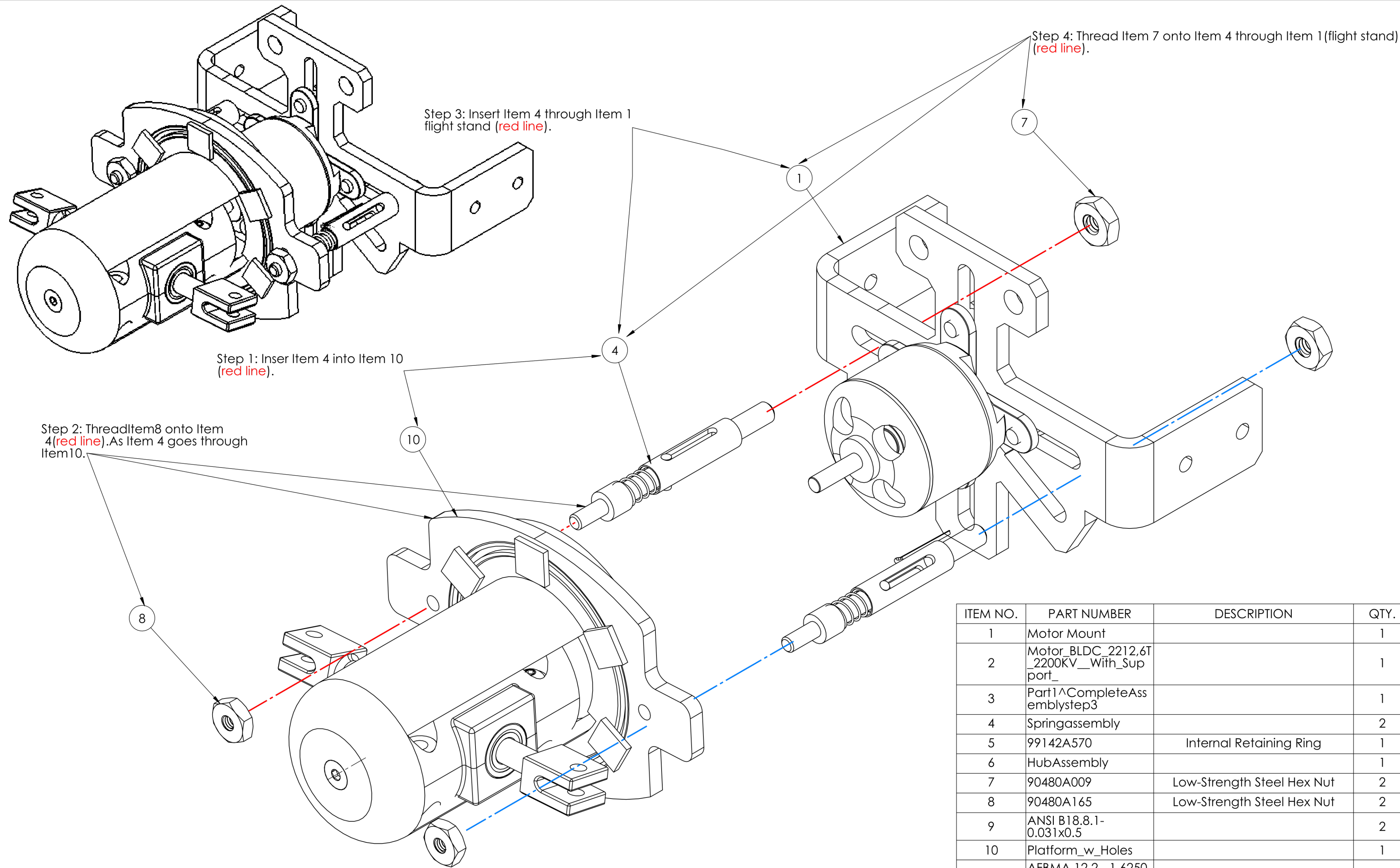
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ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL		
FINISH			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

TITLE:  
**Small Assembly: Flight Stand**

SIZE DWG. NO. REV  
**C S.W.A.-03**

SCALE: 1:1 WEIGHT: SHEET 3 OF 4



Step 2: Thread Item 8 onto Item 4 (red line). As Item 4 goes through Item 10.

Step 1: Insert Item 4 into Item 10 (red line).

Step 3: Insert Item 4 through Item 1 flight stand (red line).

Step 4: Thread Item 7 onto Item 4 through Item 1 (flight stand) (red line).

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Motor Mount		1
2	Motor_BLDC_2212,6T_2200KV_With_Sup_port_		1
3	Part1^CompleteAss emblystep3		1
4	Springassembly		2
5	99142A570	Internal Retaining Ring	1
6	HubAssembly		1
7	90480A009	Low-Strength Steel Hex Nut	2
8	90480A165	Low-Strength Steel Hex Nut	2
9	ANSI B18.8.1-0.031x0.5		2
10	Platform_w_Holes		1
11	AFBMA 12.2 - 1.6250 - 1.8750 - 0.1562 - 60,SI,NC,60		1
12	IN-HHMS 0.125-44x0.25x0.25-N		4
13	SL-PHMS 0.125-44x0.25x0.25-N		4

- Notes:
- All parts on parts list are present on the drawing.
  - Another iteration will need to be completed for after completing all the steps
  - The Collett in the Hub Assembly will be threaded on to the motor shaft.

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TOLERANCES:		CHECKED	
FRACTIONAL ±		ENG APPR.	
ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

TITLE:  
**Small Assembly: Spring Assembly**

SIZE DWG. NO. REV  
**C S.W.A.-04**

SCALE: 1:4 WEIGHT: SHEET 4 OF 4