

**Use Blue Loctite
Before installing.**

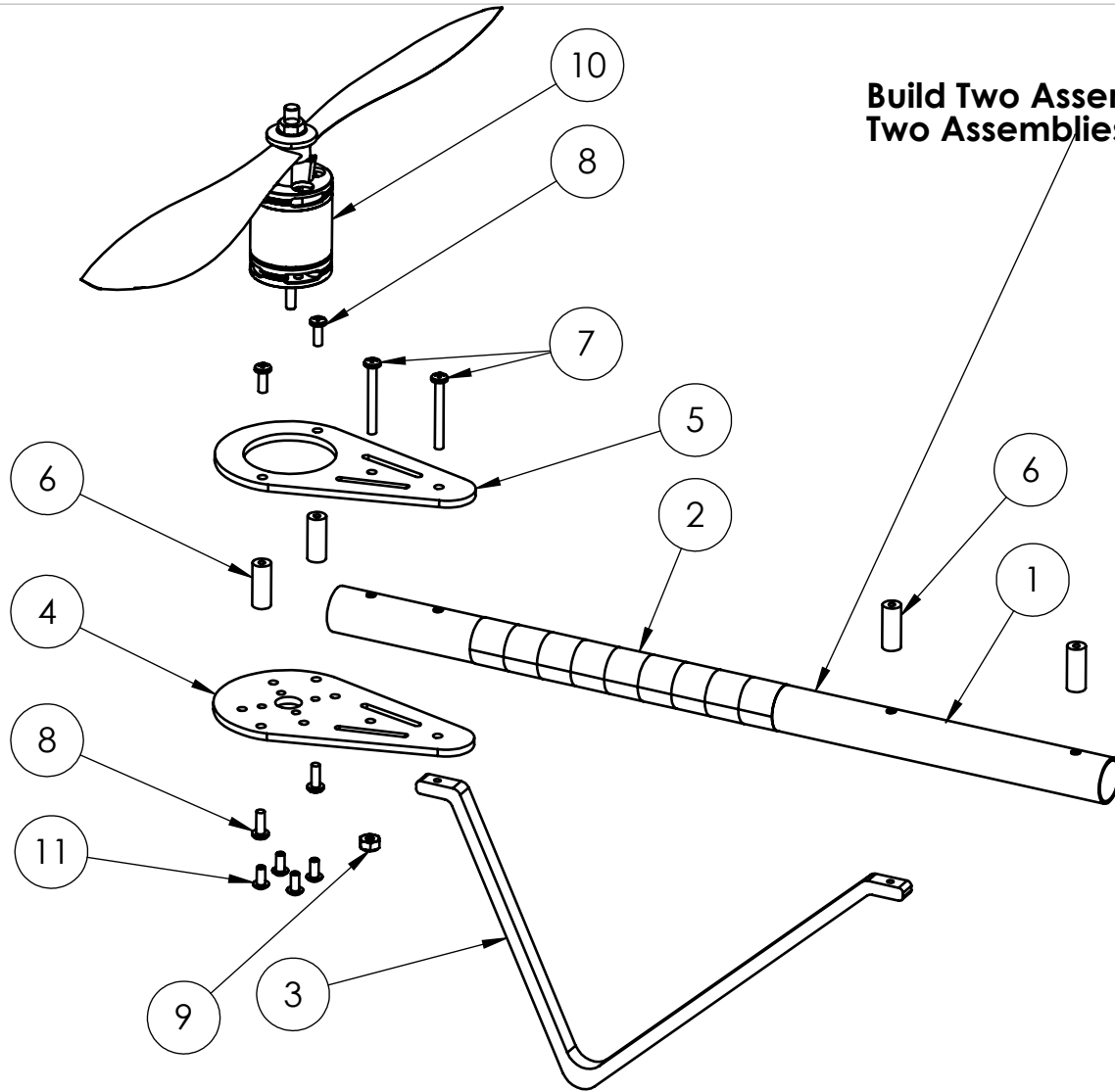
ITEM NO.	DESCRIPTION	QT Y.
1	Motor Main Body	1
2	Washer Propeller	1
3	10 Inch Propeller	1
4	Propeller Nut	1
5	Prop Adapter	1
6	Flat Head Screw	4
7	Set Screw	2



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE		
		DIMENSIONS ARE IN INCHES		DRAWN	KO	12.08.11	TITLE: Motor/Propelller Assy Exploded
		TOLERANCES:		CHECKED			
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ± BEND ±		MFG APPR.			
		TWO PLACE DECIMAL ±		Q.A.			SIZE A DWG. NO. REV 2
		THREE PLACE DECIMAL ±		COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					

Build Two Assemblies with Red Boom and Two Assemblies with Black Boom.



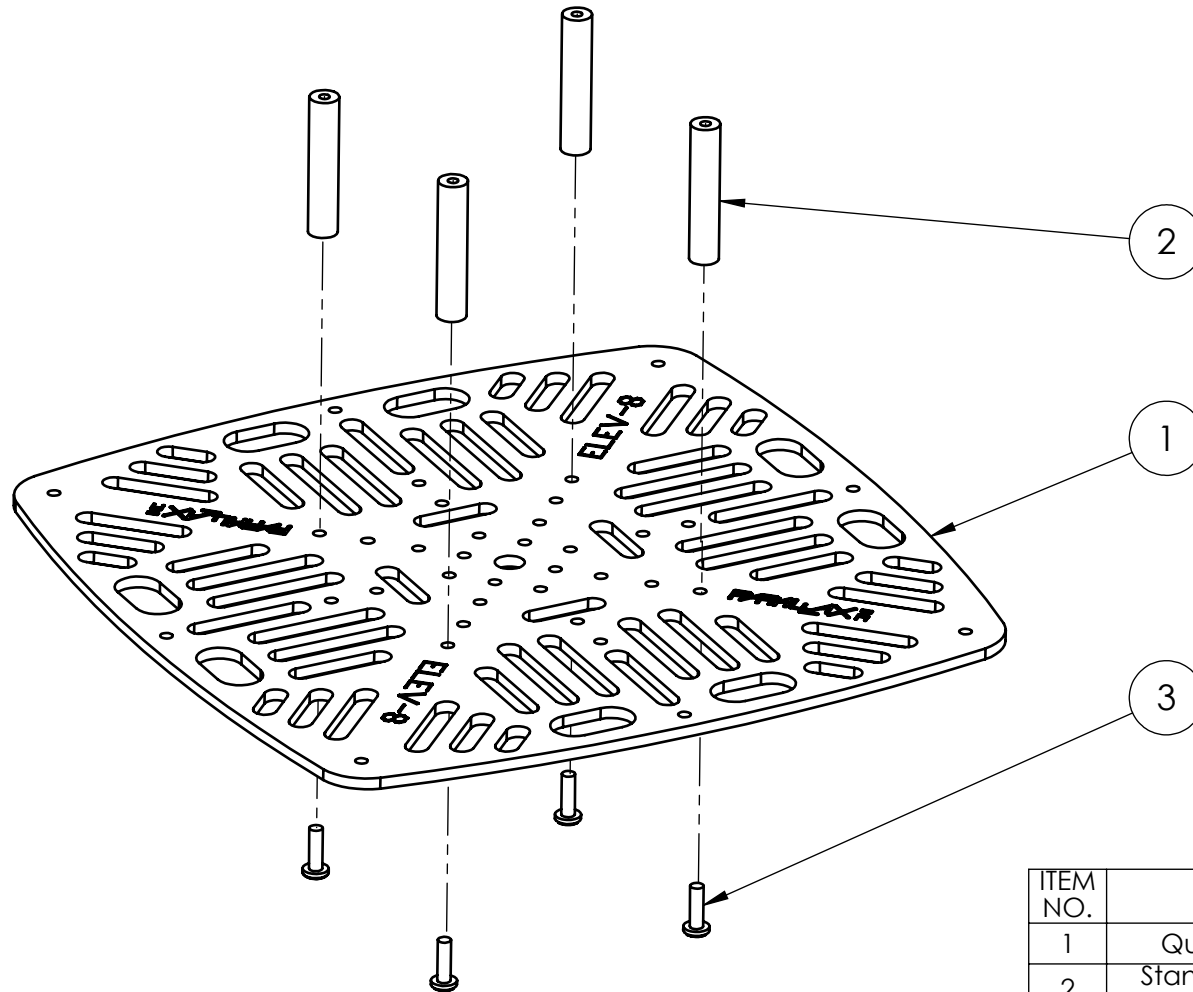
ITEM NO.	Description	Part Number	QTY.
1	Motor Boom		1
2	Checkered Pattern	TOPQ4111-30"	1
3	Landing Gear	721-80007	1
4	Motor Mount Bottom		1
5	Motor Mount top		1
6	Nylon Standoff 4-40 x 5/8	713-00043	4
7	Screw, 4-40, 1", panhead, stainless steel	710-00002	2
8	Screw, 4-40, 3/8", panhead, stainless steel	710-00036	4
9	Lock Nut 4-40 x 1/4	700-00024	1
10	Motor Assembly		1
11	Screw, 3mm x 6mm, 0.5 thread Black		4



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: Motor/Boom Assy	
		DIMENSIONS ARE IN INCHES	DRAWN	KO		01.16.12
		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				

SIZE A	DWG. NO.	REV 3
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

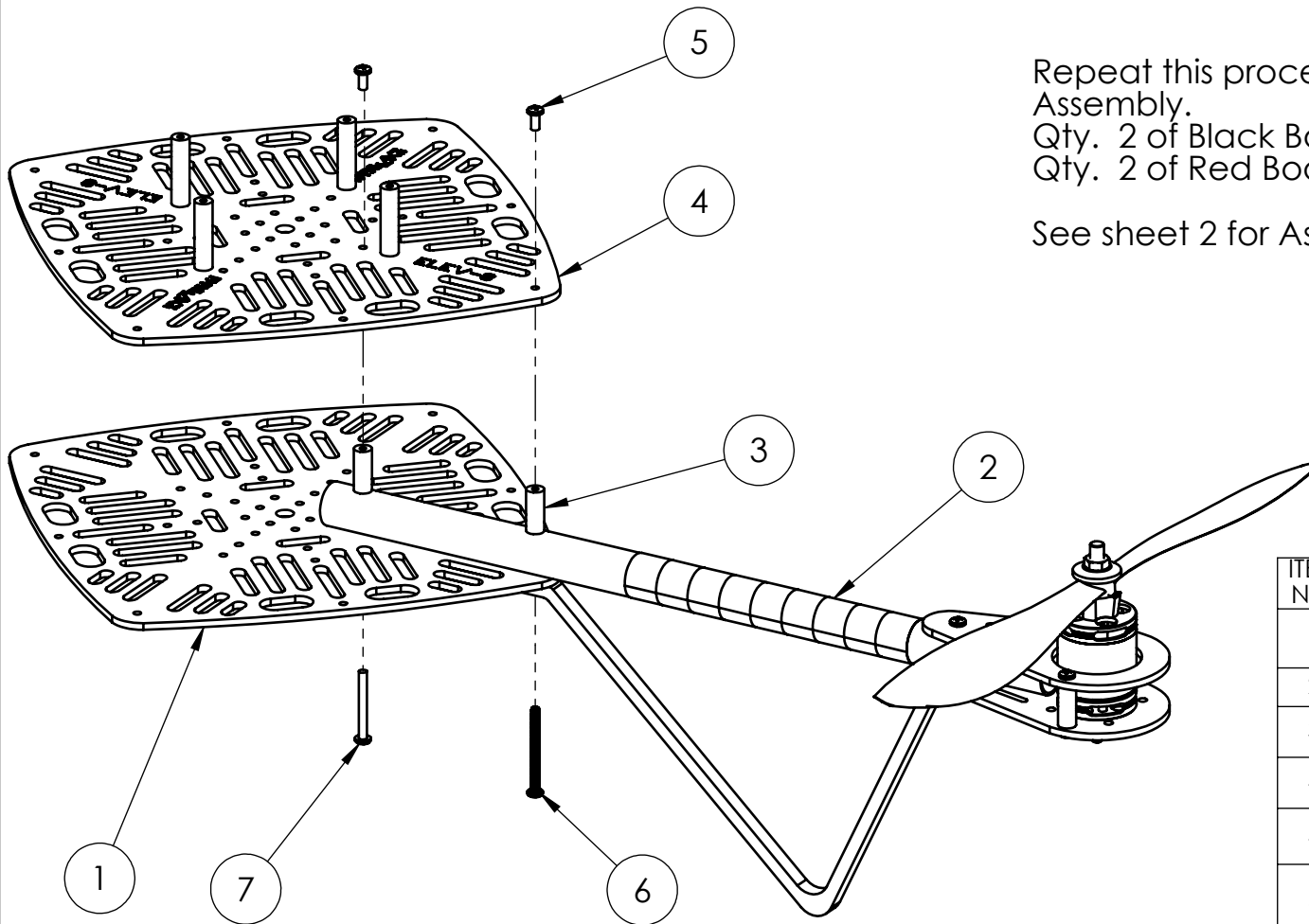


ITEM NO.	Description	Part Number	QTY.
1	Quad Chassis Plate	721-80003	1
2	Stand off nylon, 1-1/4", Thread	713-00025	4
3	Screw 4-40 3/8 Pandhead stainless steel	713-00036	4



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: Assembly of Top Chassis Plate W/ Stand offs	
		DIMENSIONS ARE IN INCHES	DRAWN	KO		12.09.11
		TOLERANCES:	CHECKED			
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: MACH ± BEND ±	MFG APPR.			SIZE A
		TWO PLACE DECIMAL ±	Q.A.			
		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				DWG. NO.
		MATERIAL				REV 1
		FINISH				SCALE: 1:1
NEXT ASSY	USED ON					WEIGHT:
APPLICATION		DO NOT SCALE DRAWING				SHEET 1 OF 1



Repeat this process for each Boom Arm Assembly.

Qty. 2 of Black Boom Arm Assembly.

Qty. 2 of Red Boom Arm Assembly.

See sheet 2 for Assembly of Boom Arms

ITEM NO.	Description	Part Number	QTY.
1	Quad Chassis Plate	721-80004	1
2	Motor/Boom Assy		1
3	Stand off, Nylon, 5/8, 4-40 screw size	713-00043	4
4	Assy Quad Chassis Top		1
5	Screw, 4-40, 3/8", panhead, SS steel	710-00036	2
6	Screw, 4-40, 1-1/4", panhead, SS steel	710-00042	1
7	Screw, 4-40, 1", panhead, SS steel	710-00002	1



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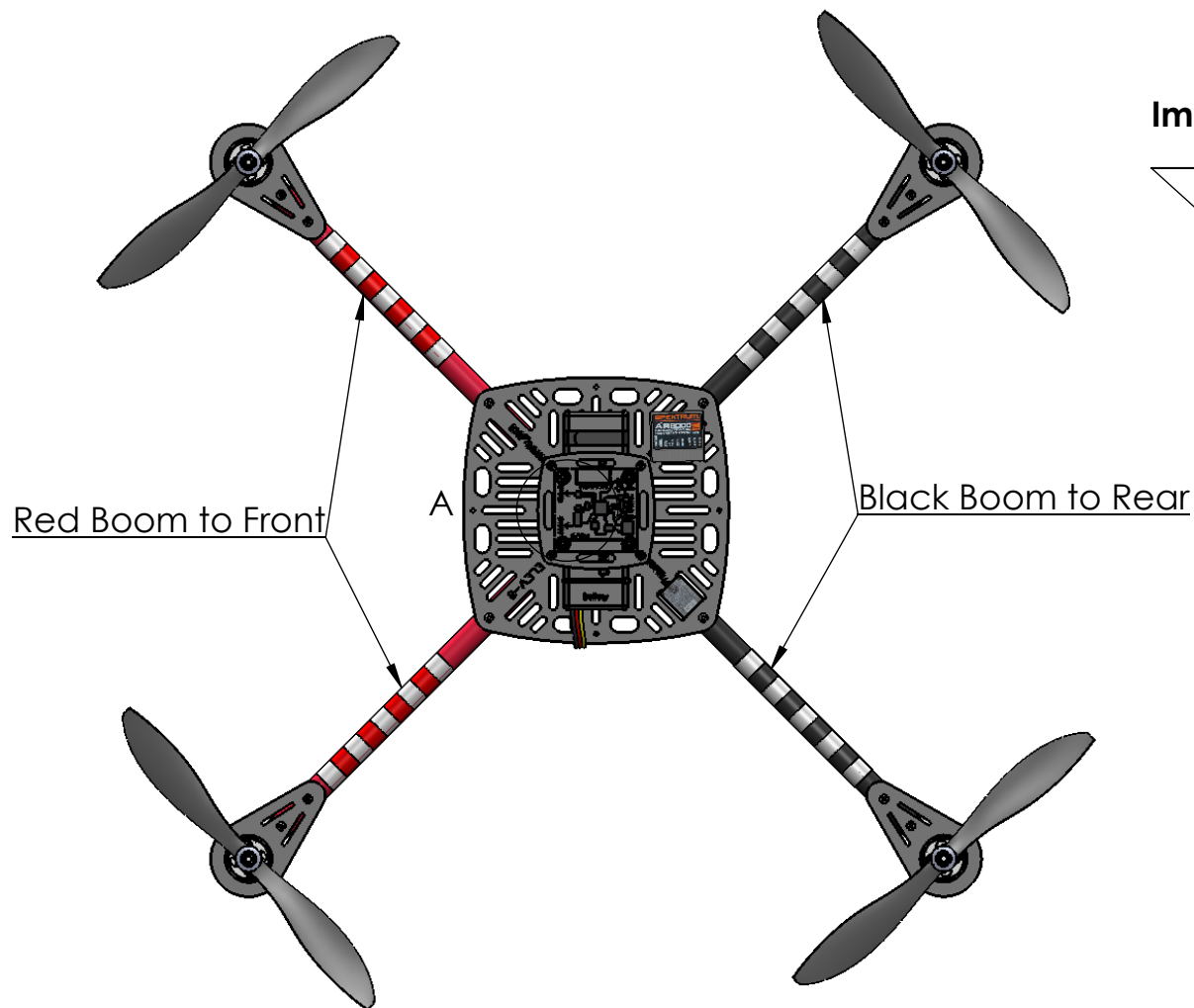
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	KO	01.17.12
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±			
		THREE PLACE DECIMAL ±			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

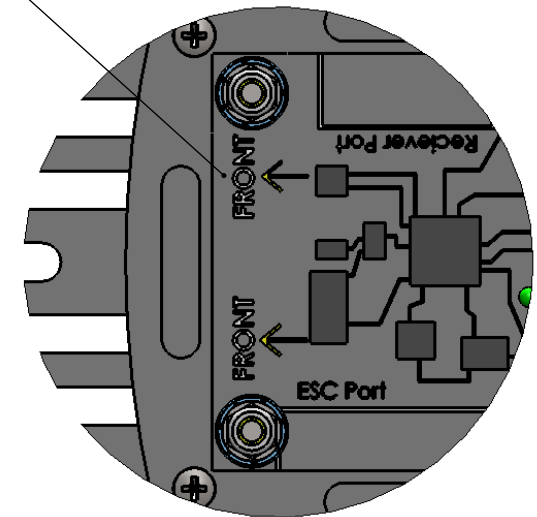
TITLE:

Assy of Boom Arms to Chassis Plates

SIZE	DWG. NO.	REV
A		3
SCALE: 1:1	WEIGHT:	SHEET 1 OF 2



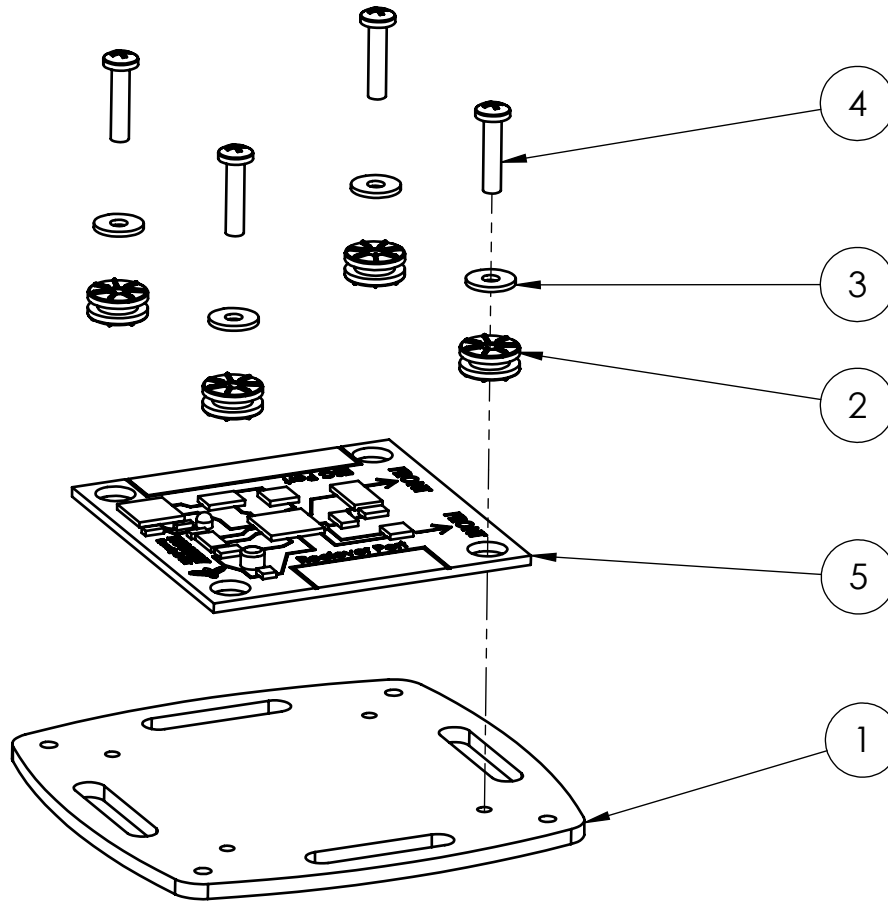
Important! HoverFly Sport Board Must Point to the Front.



DETAIL A
SCALE 1 : 1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Assembly of Boom Arms
		DIMENSIONS ARE IN INCHES		DRAWN		
		TOLERANCES:		CHECKED		
		FRACTIONAL ±		ENG APPR.		
		ANGULAR: MACH ± BEND ±		MFG APPR.		
		TWO PLACE DECIMAL ±		Q.A.		SIZE A
		THREE PLACE DECIMAL ±		COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:				DWG. NO.
		MATERIAL				REV
NEXT ASSY	USED ON	FINISH				SCALE: 1:10
APPLICATION		DO NOT SCALE DRAWING				WEIGHT:
						SHEET 2 OF 2

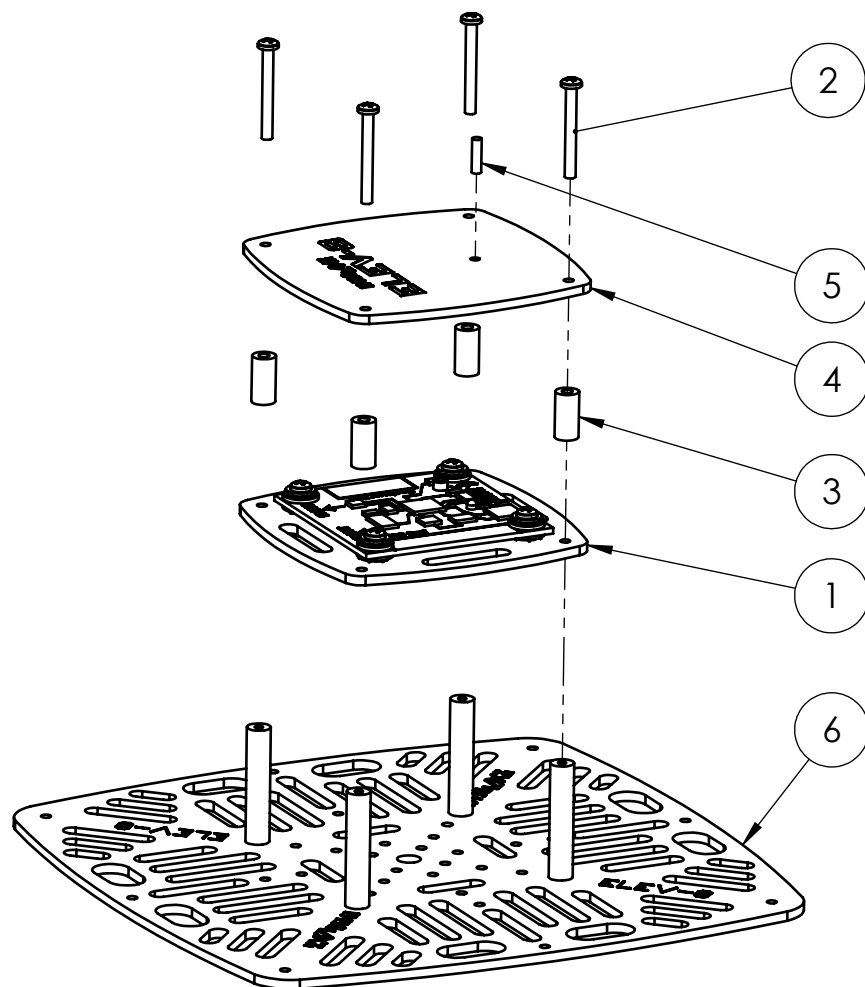


ITEM NO.	Description	Part Number	QTY.
1	ELEV-8 Control Board Mount Plate Assy	721-80002	1
2	Rubber Grommet		4
3	# 4 SS Steel Washer		4
4	Screw, 4-40, 1/2", panhead, stainless steel	710-00006	4
5	Hoverfly Sport Board	31500	1



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: Assembly of Control Board Mt. Plate and HoverFly Sport Board			
		DIMENSIONS ARE IN INCHES	DRAWN	KO		01.16.12		
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE A	DWG. NO.	REV 3
		THREE PLACE DECIMAL ±	COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON					SCALE: 1:1	WEIGHT:	SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING						



Note: #7, Light Tube comes 5/8" long.
Cut to length needed

ITEM NO.	Description	Part Number	QTY.
1	ELEV-8 Control Board Mount Plate Assy		1
2	Screw, 4-40, 1", panhead, stainless steel	710-00002	4
3	Spacer, nylon, 1/2", 4-40 screw size	713-00005	4
4	ELEV-8 Control Board Top Plate		1
5	light tube	720-28001	1
6	Assy Quad Chassis Top		1



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		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: Control Board Assy
And
Chassis Top Plate Assy

SIZE A	DWG. NO.	REV 3
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1