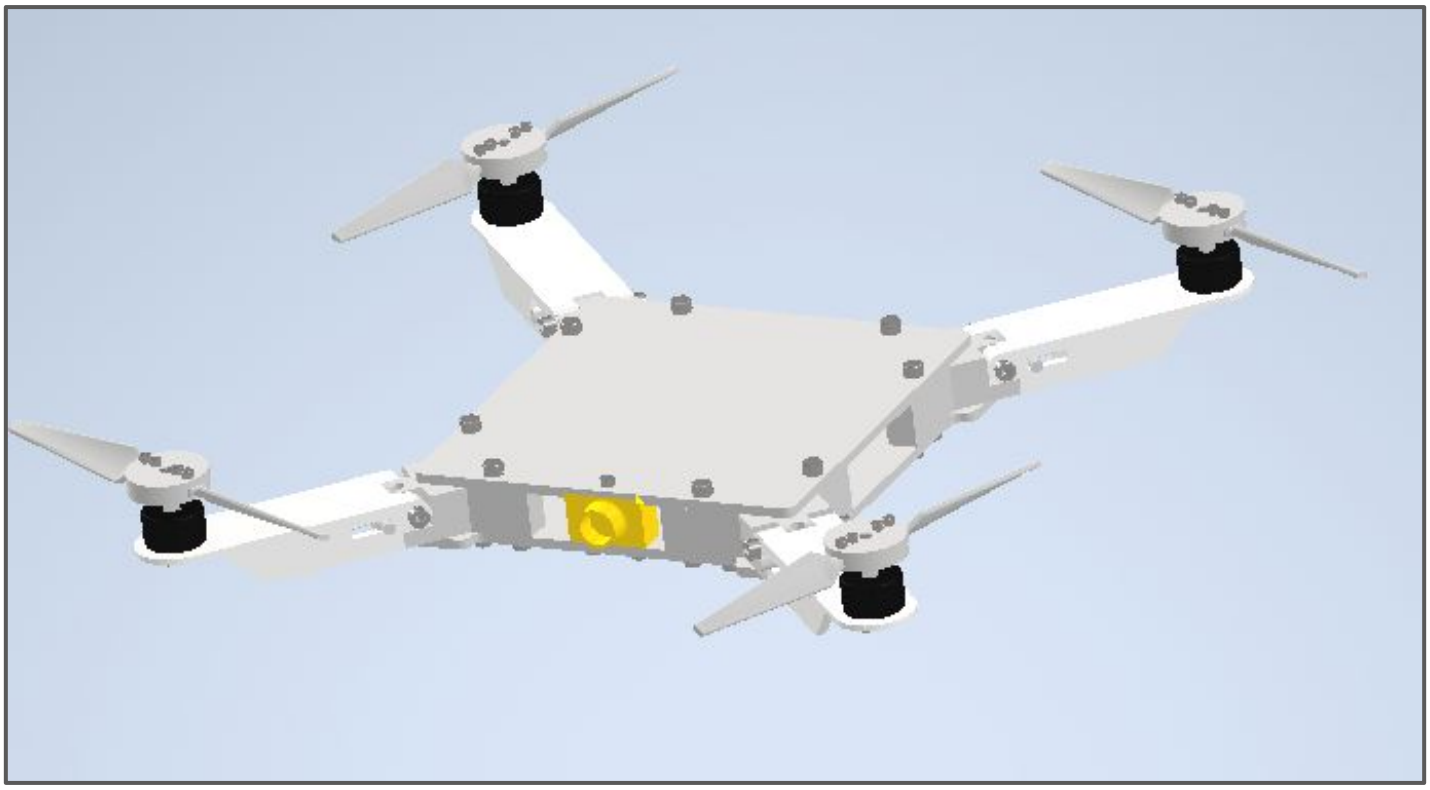
Drone Assembly Guide

Intended for Drone Delish® Drones



Important Information

This assembly guide is meant for assembling Drone-Delish Drones only including all their custom parts.

These drones are based on drones available on the market, but have had custom parts manufactured for them to suit a new purpose. The manual for the original drones can be found at:

> “Product Accessories”: www.superdrones.com/products/accessories

However, this guide should have all the information you need to know. Make sure you have all the parts before beginning to assemble a drone.

You will need:

- a set of Allen Keys
- a slot-headed screwdriver

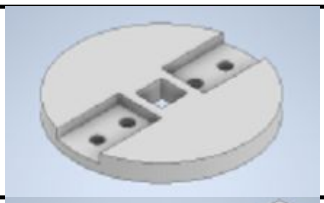
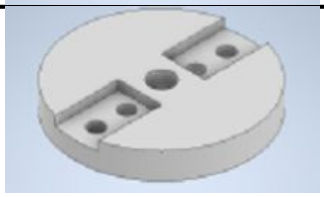
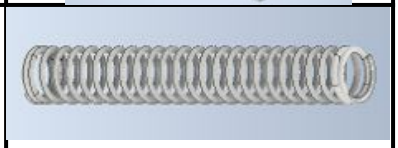
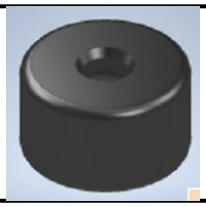
> ⚠️Be careful when handling the electronic components, do not handle them without an anti-static bracelet.

This assembly is divided into two stages. First you will assemble the four arms of the drone, and then you will attach them all together to build the body.

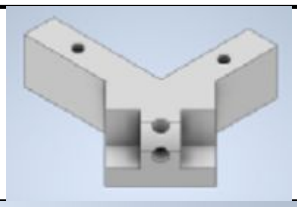
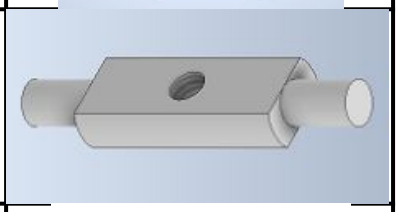
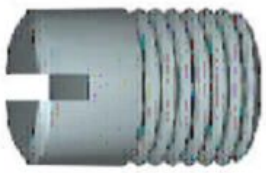
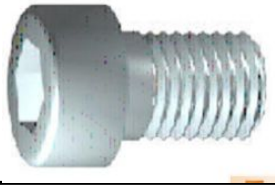
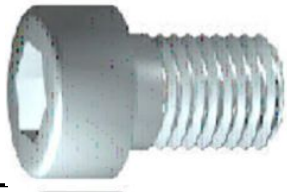
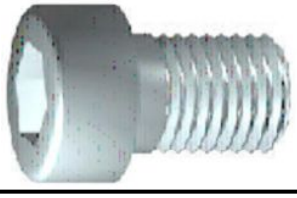
If you have any questions about assembly or this guide contact:

Evan Bradford at 123-456-7890 or bradfoe@mcmaster.ca

Assembly Stage 1 Parts List

Part Number	Quantity	Part Name	Picture
1	1	Propeller Base	
2	2	Propeller Blade	
3	1	Propeller Retainer	
4	1	Motor Shaft	
5	1	Motor Full Arm	
6	2	Compression Spring	
7	1	Motor	

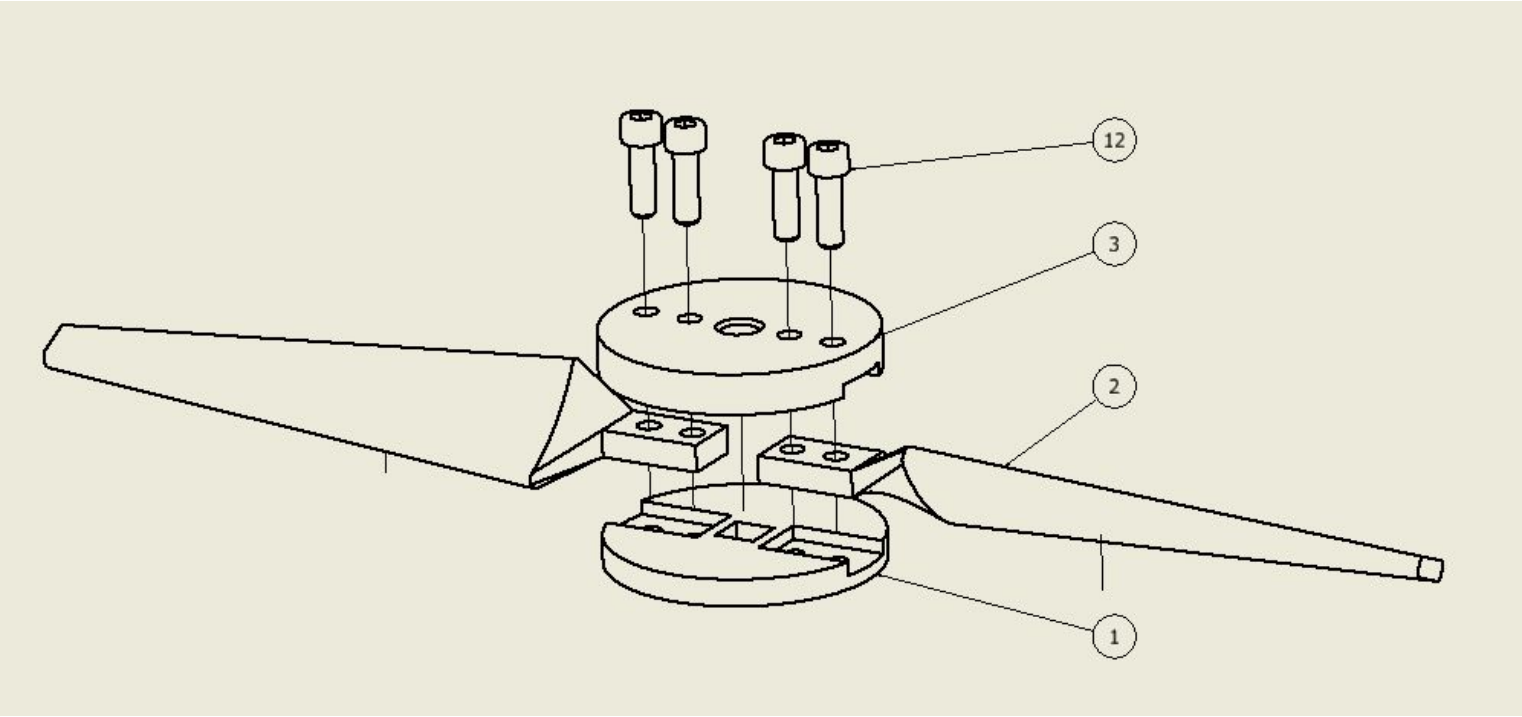
Assembly Stage 1 Parts List (cont.)

8	1	L Bracket	
9	1	Slider	
10	1	Pin GB 878-86 6 x 20	
11	1	ANSI B18.3 - 6-32 UNC x 0.5, HSFCHCSI	
12	4	ANSI B18.3 - No. 6 - 32 UNC - 7/16 HS HCS	
13	4	AS 1420 - 1973 - M4 x 10	
14	2	AS 1420 - 1973 - M6 x 16	

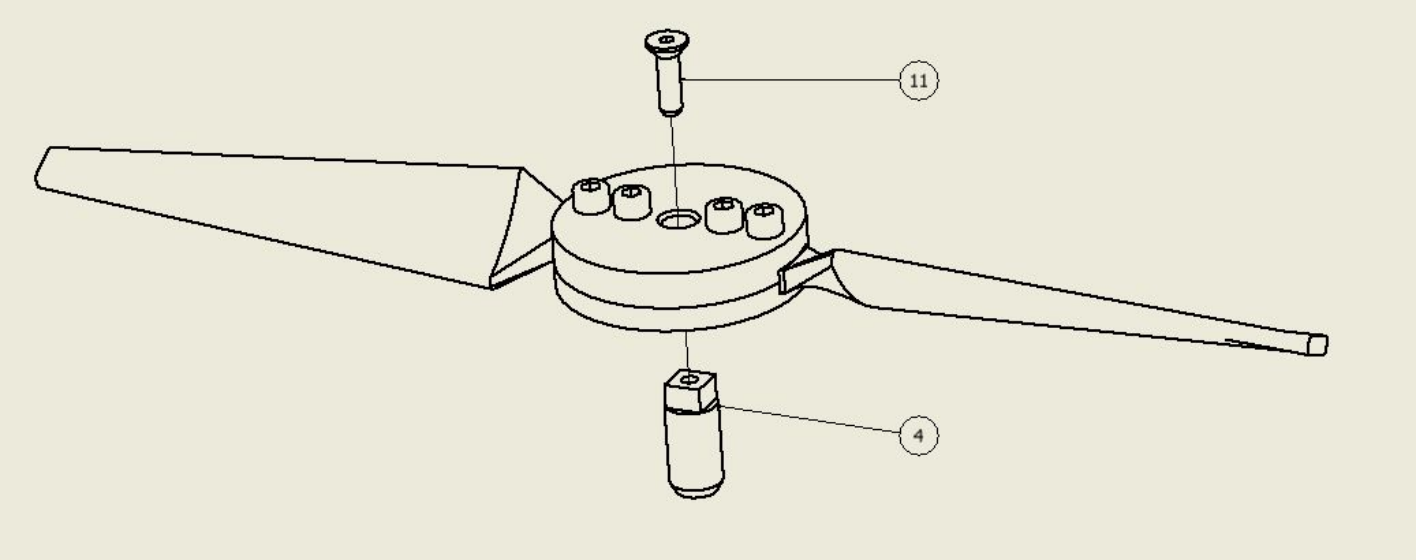
Assembly Stage 1

Step 1: Screw together the **propeller base** and **propeller retaining part**, sandwiching the **propeller blades** using the **ANSI B18.3 No. 6 -32 UNC - 7/16 HS HCS**

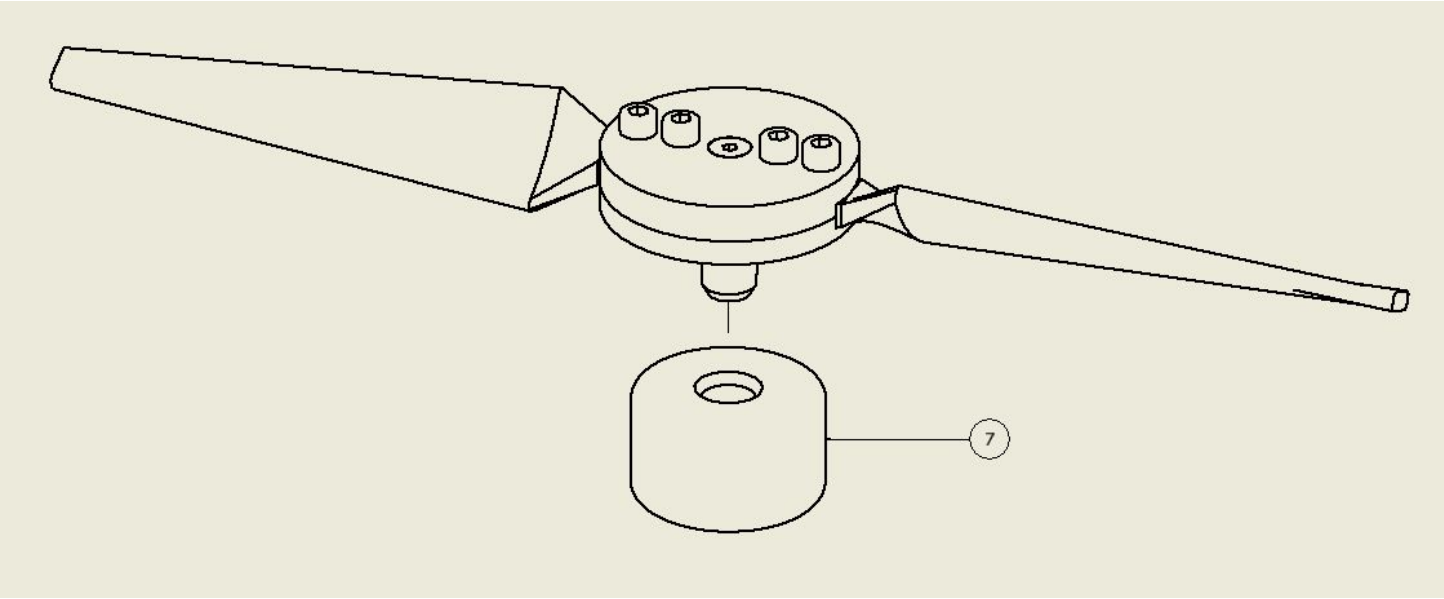
Take care that both blades have the concave (inside of curve) side facing up.



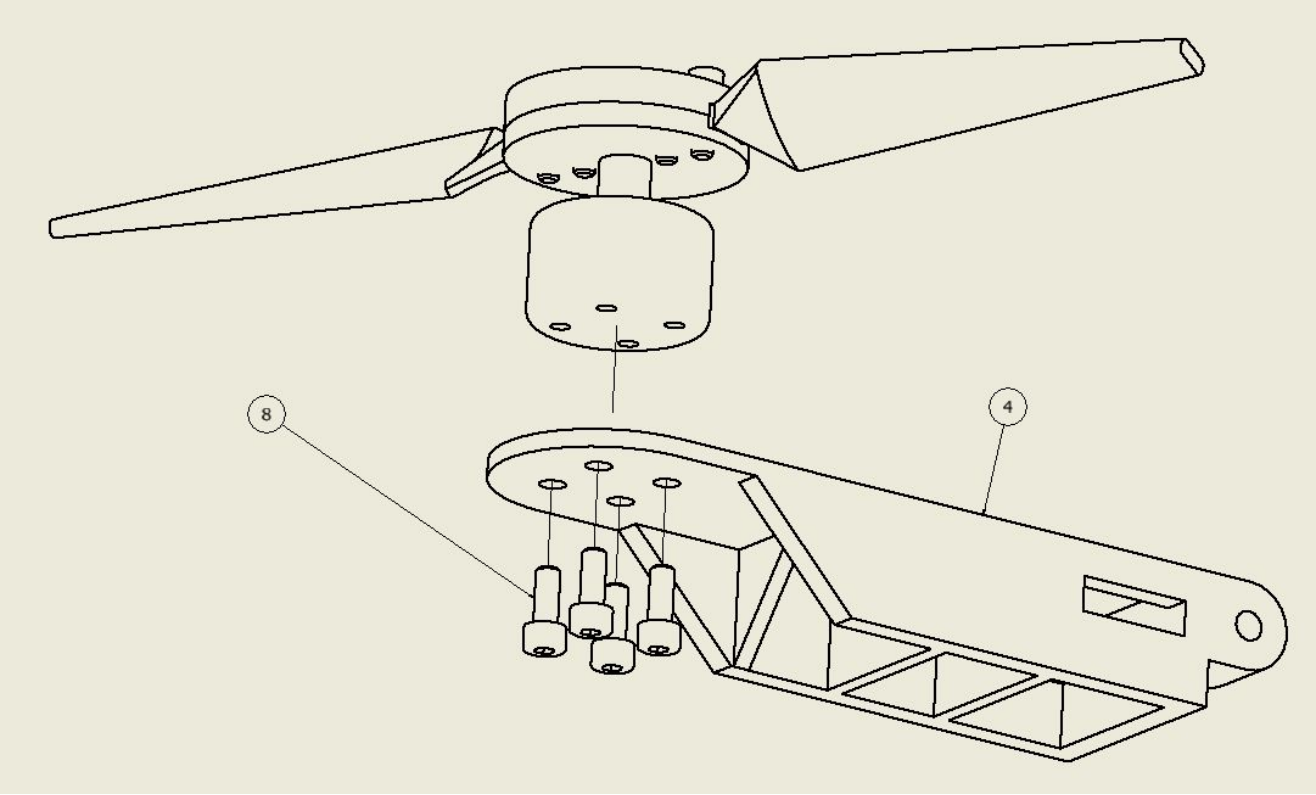
Step 2: Fit the **Motor Shaft** into the square hole of the propeller base, and screw **ANSI B18.3 - 6-32 UNC x 0.5, HSFCHCSI** (the countersunk screw) through the center into the square end of the shaft.



Step 3: Fasten the motor shaft into the **motor**.

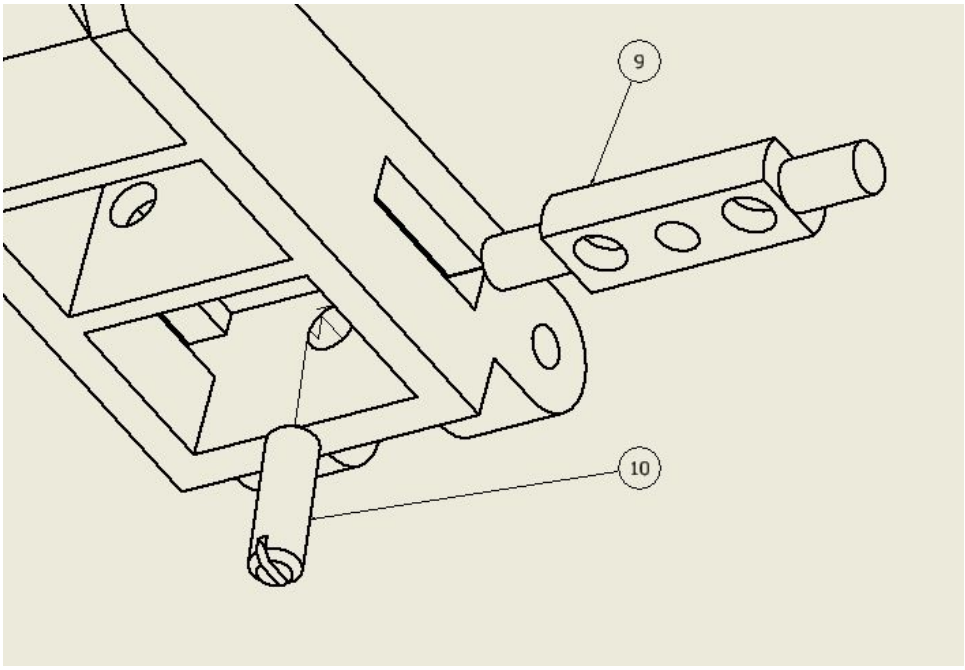


Step 4: Attache the motor's base to the **Motor Full Arm** using four **AS 1420 - 1973 - M4 x 10** screws.

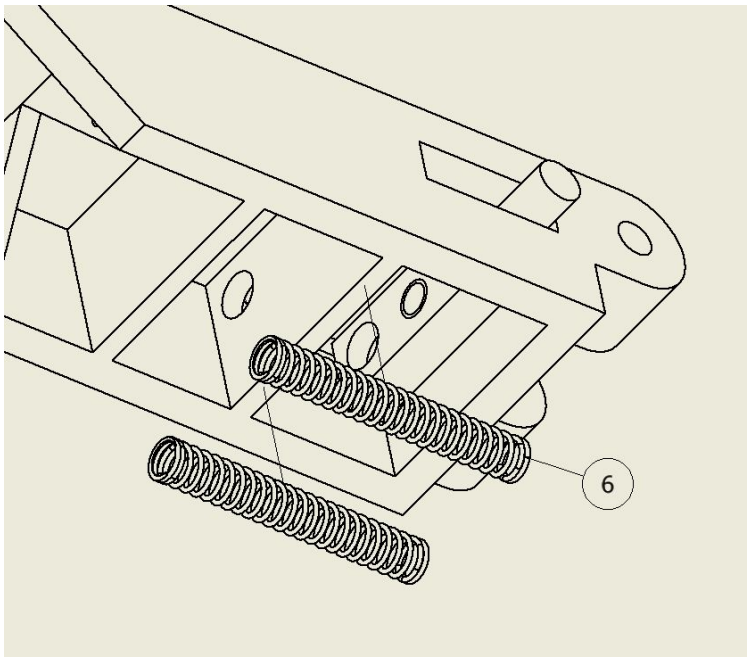


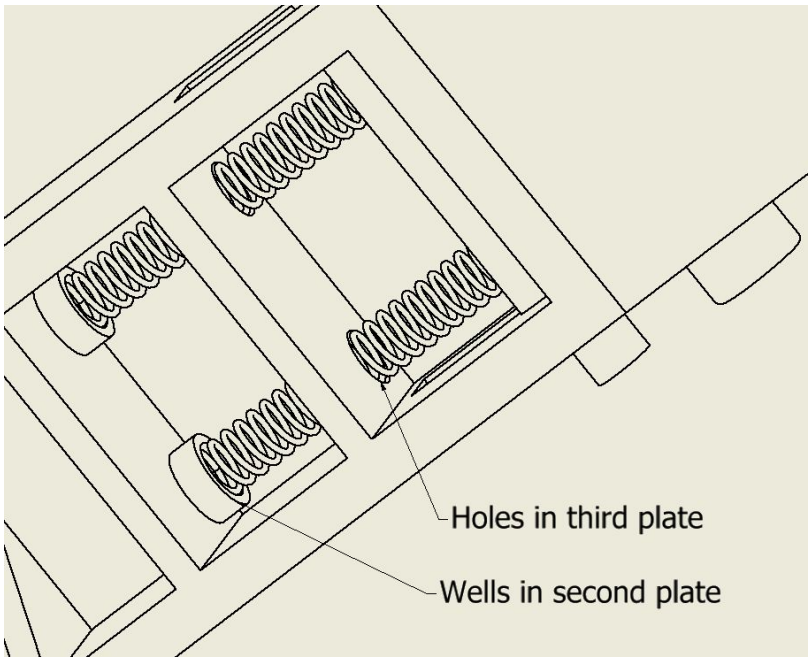
Step 5:

Slide the **slider** into the slot and screw **Pin GB 878-86 6 x 20** into the hole in the slider's centre.



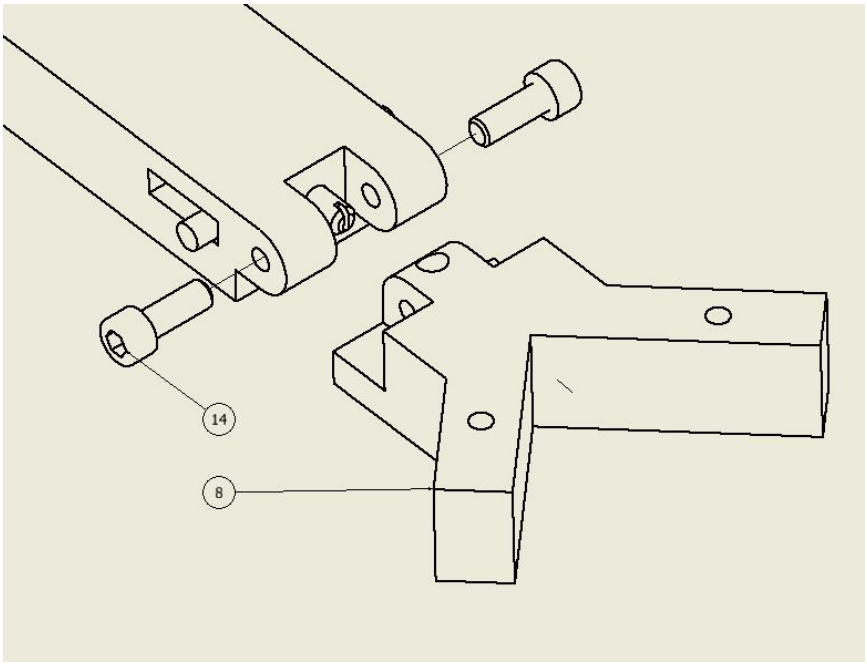
Step 6: Rotate the slider and pin ninety degrees and slide the pin into the hole in the end of the arm. Squish and thread the two **Compression Springs** through the holes in the third square plate and secure them in the pairs of wells in the slider and second square plate





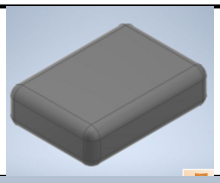
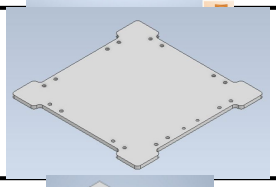
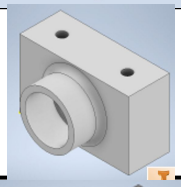
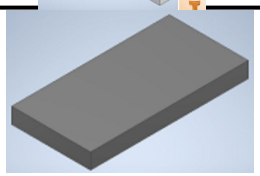
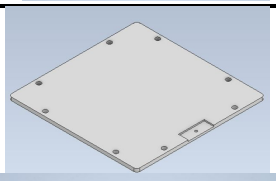
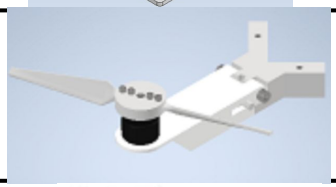
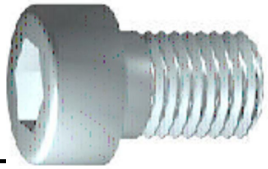
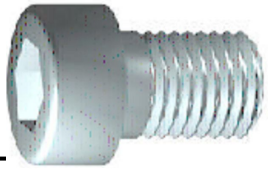
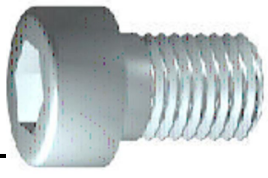
Step 7:

Insert the **L-Bracket** into the hinge on the end of the arm and screw two **AS 1420 - 1973 - M6 x 16** screws into either side to secure it.



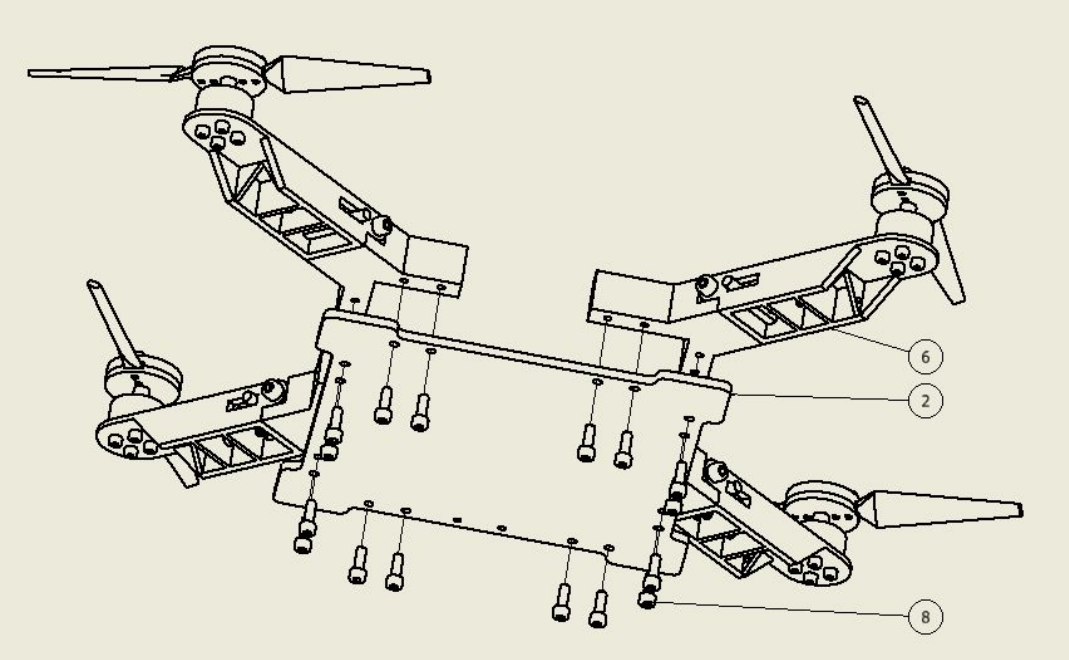
Step 8: repeat this process 3 more times so you have 4 full arm assemblies

Assembly Stage 2 Parts List:

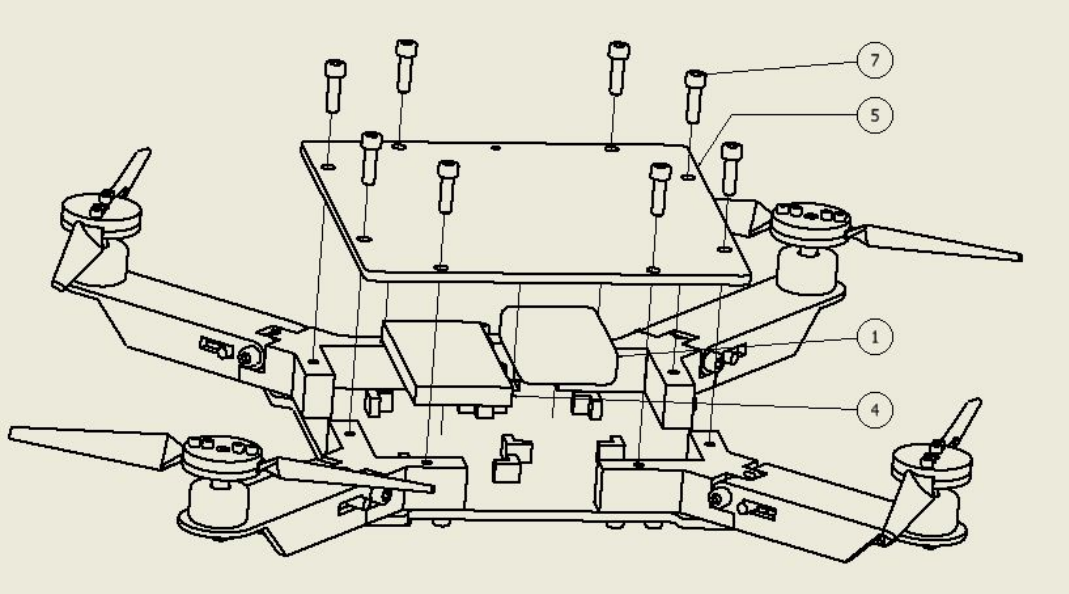
Part Number	Quantity	Part Name	Picture
1	1	Battery Pack	
2	1	Bottom Plate	
3	1	Charging Port	
4	1	Electronics	
5	1	Top Plate	
6	4	Arm Assembly (COMPLETED IN STAGE 1)	
7	8	AS 1420 - 1973 - M6 x 20	
8	16	AS 1420 - 1973 - M5 x 14	
9	3	AS 1420 - 1973 - M4 x 10	

Assembly Stage 2:

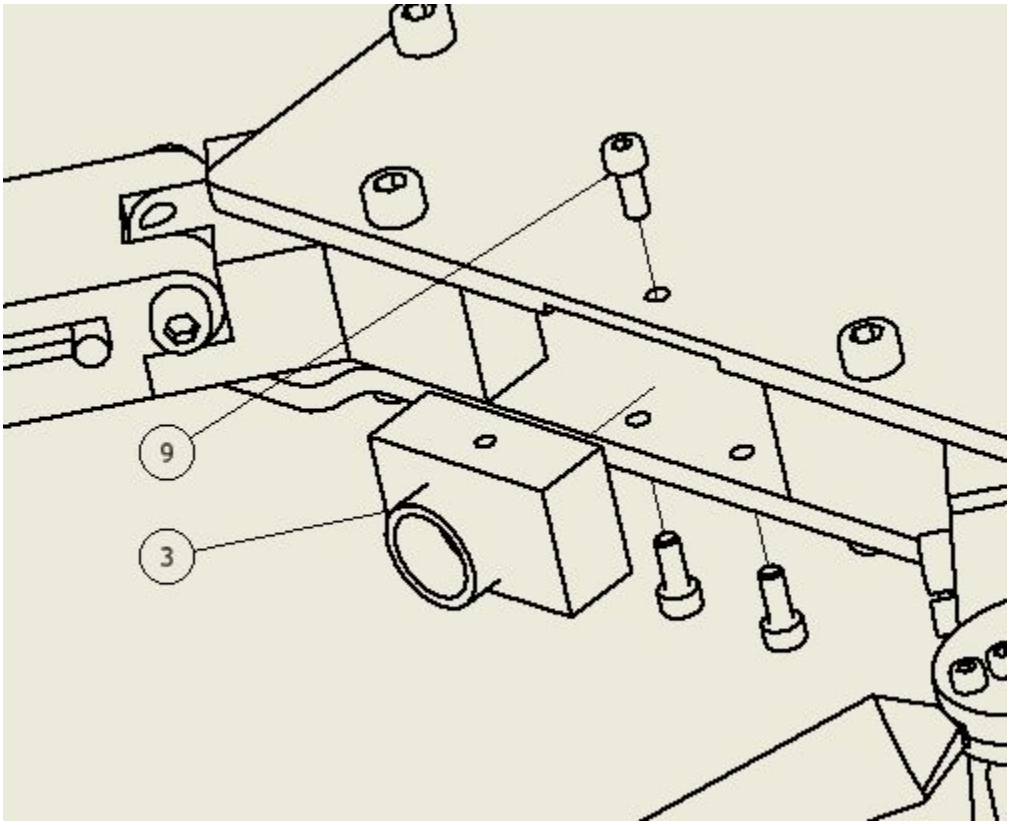
Step 1: Screw the **Arm Assemblies** into the **Bottom Plate** using the **AS 1420 - 1973 - M5 x 14** screws.



Step 2: Place the **Electronics** and **Battery Pack** into their slots in the bottom plate and screw on the **Top Plate** using the **AS 1420 - 1973 - M6 x 20** screws.



Step 3: Slide the **Charging Port** into its slot and screw it in with the **AS 1420 - 1973 - M4 x 10** screws.



The drone is now complete, good job!