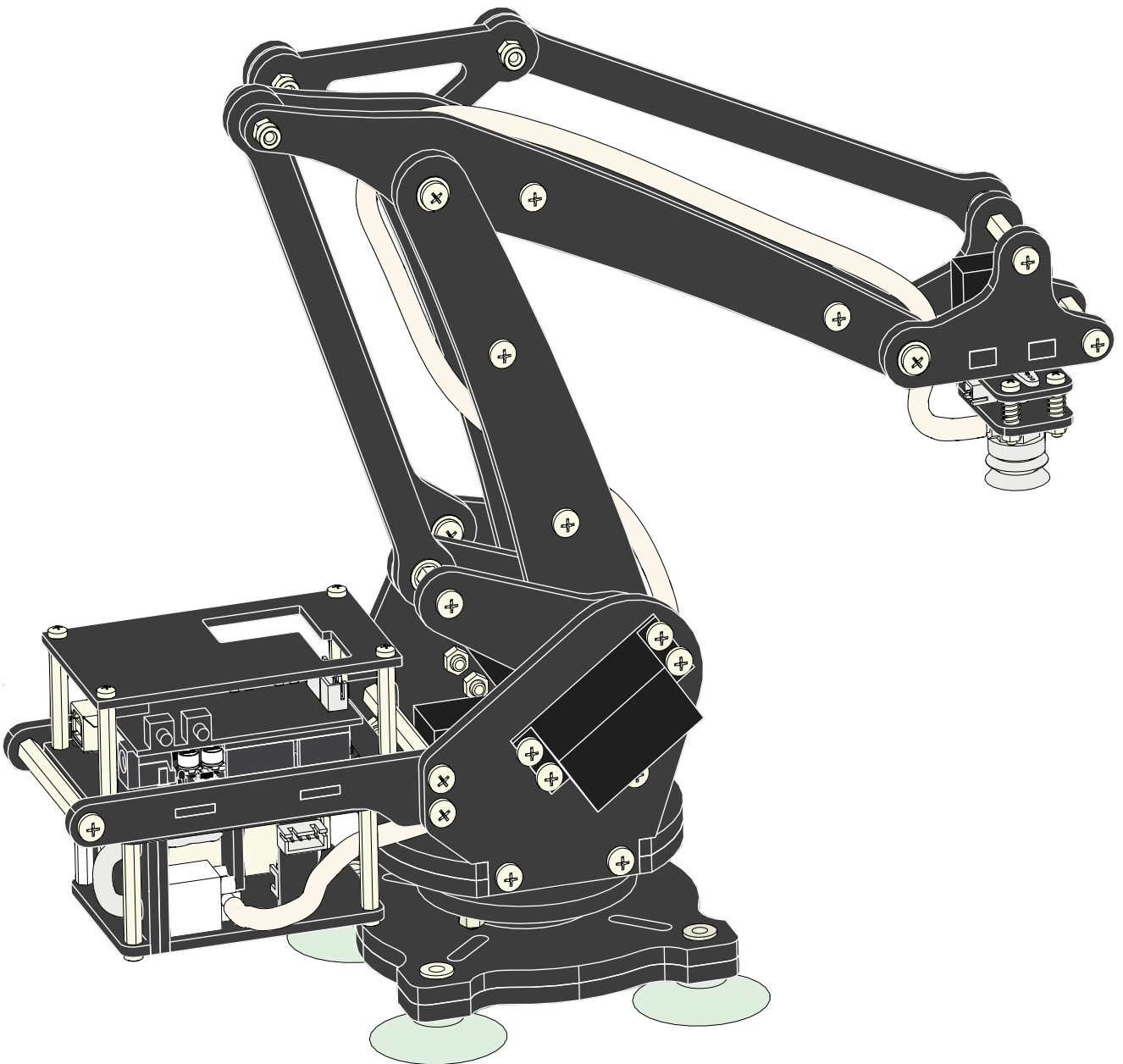


ASSEMBLY INSTRUCTIONS

UARM



uArm Replaceable Kit Part List

Mechanical Parts			
Item number	Item name	Item description	Qty
1	Acrylic Parts	Acrylic Board	4

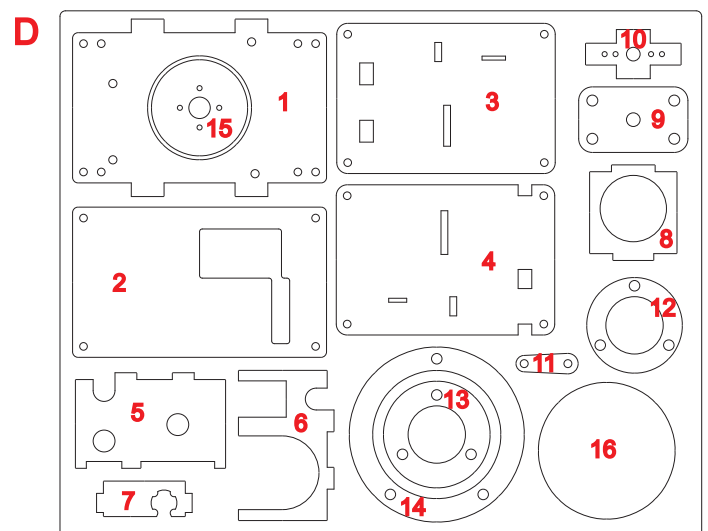
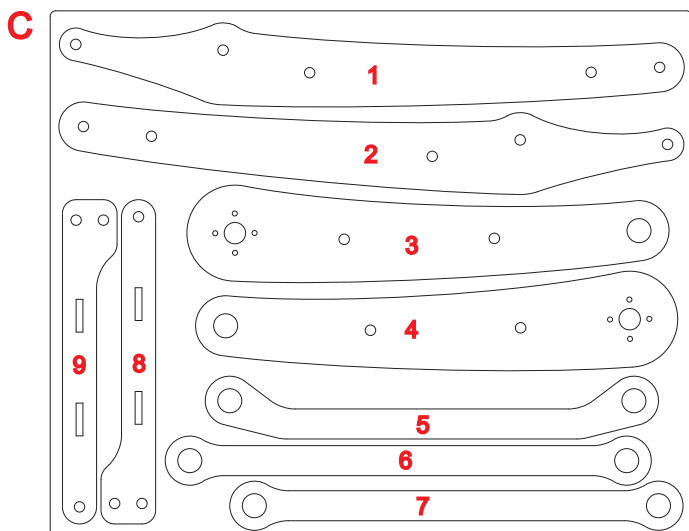
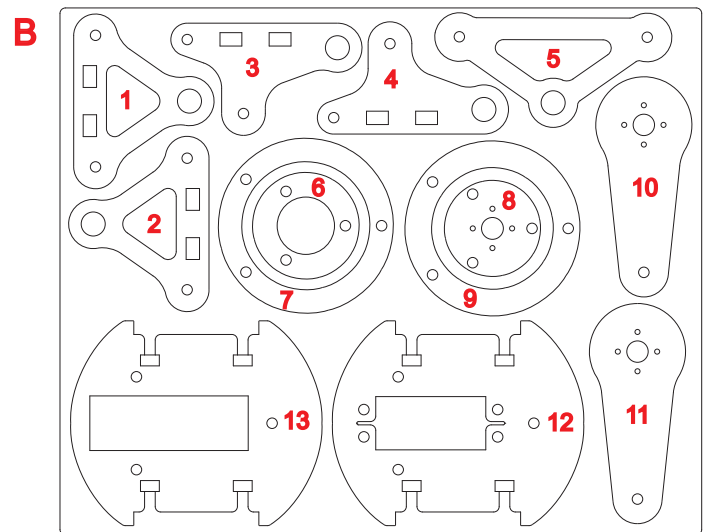
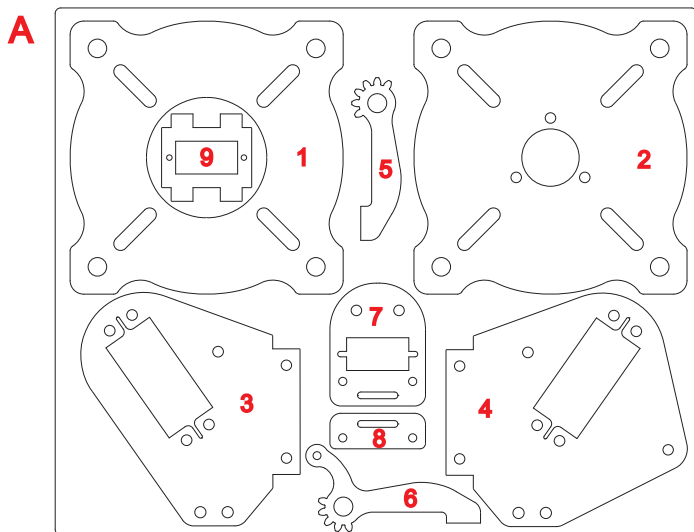
Components					
Item number	Item name	Item description	Qty		
1	For Basic uArm 1	Screw M4-8	16		
		Screw M4-16	11		
2	For Basic uArm 2	Screw M4-12	12		
		Screw M4-22	1		
3	For Basic uArm 3	Screw M4-14	4		
		Screw M4-25	8		
4	For Basic uArm 4	Screw M2-10	2		
		Tapping Screw M2-10	8		
		Tapping Screw M2-12	4		
5	For Basic uArm 5	Nut M2	2		
		Nut M4	24		
		Lock Nut M4	4		
6	For Basic uArm 6	Metal Spacer 4x10x1	5		
		Shaft Sleeve M4-7	1		
7	For Basic uArm 7	Brass Stand-offs M4-10	4		
		Brass Stand-offs M4-15	1		
		Brass Stand-offs M4-22	4		
		Brass Stand-offs M4-55	2		
		Brass Stand-offs M4-65	1		
		Aluminum Alloy Rod 8-45	1		
8	For Basic uArm 8	Thin-walled Bearing 61807	1		
		Flange Bearing MF84ZZ	12		
		Flange Shaft Sleeve	12		
9	For Basic uArm 9	Suction Cup 45-M5	4		
		Rivet M5-10	4		
10	For Basic uArm 10	Screw M4-28	3		
		Screw M2-10	2		
11	For Gripper	Screw M3-8	4		
		Screw M3-25	1		
		Screw M4-16	2		
		Nut M2	2		
		Nut M3	2		
		Lock Nut M4	2		
		Brass Stand-offs M3-8	2		
		Metal Spacer 4-10-1	2		
		Shaft Sleeve 2.5-3-4	1		
		Plastic Spacer 3-7-10	1		
		Plastic Spacer 4-7-5	2		
		12	For Suction Cup End-effector 1	Brass Stand-offs M3-30	4
				Brass Stand-offs M3-5#6	4
Screw M3-5	8				
Screw M3-16	4				
Nut M3	4				
Shaft Sleeve 3-4-10	4				
Spring	4				
13	For Suction Cup End-effector 2	Suction Cup DP-10	1		
		Suction Cup DP-20	1		
		Suction Cup Holder	1		
14	For Suction Cup End-effector 3	Nut M5	1		
		Dust Filter	3		
15	For Controller Board	Plastic Rivet 3080	4		
		Brass Stand-offs M3-30	4		
		Screw M3-8	8		

Electronic Parts			
Item number	Item name	Item description	Qty
1	Pump	Pump	1
2	Valve	Valve	1
3	Silicone Tubing	Silicone Tubing (650mm)	1
		Silicone Tubing (80mm)	1
4	Servo	U-Servo US-D150A	3
		U-Servo US-D009A	2
5	USB Cable	USB Cable (1.8m)	1
6	Power Supply	Power Supply	1
		Power Supply Cable	1
7	Uduino	Arduino Uno	1
8	uArm Shield	uArm Shield	1
9	Pump Kit Board	Pump and Valve Driver	1
		4Pin Cable (150mm)	
10	Limit Switch	Limit Switch	1
		2Pin Cable (550mm)	1

Tools			
Item number	Item name	Item description	Qty
1	Screw Driver	Screw Driver	1
2	Cone Wrench	Cone Wrench	1

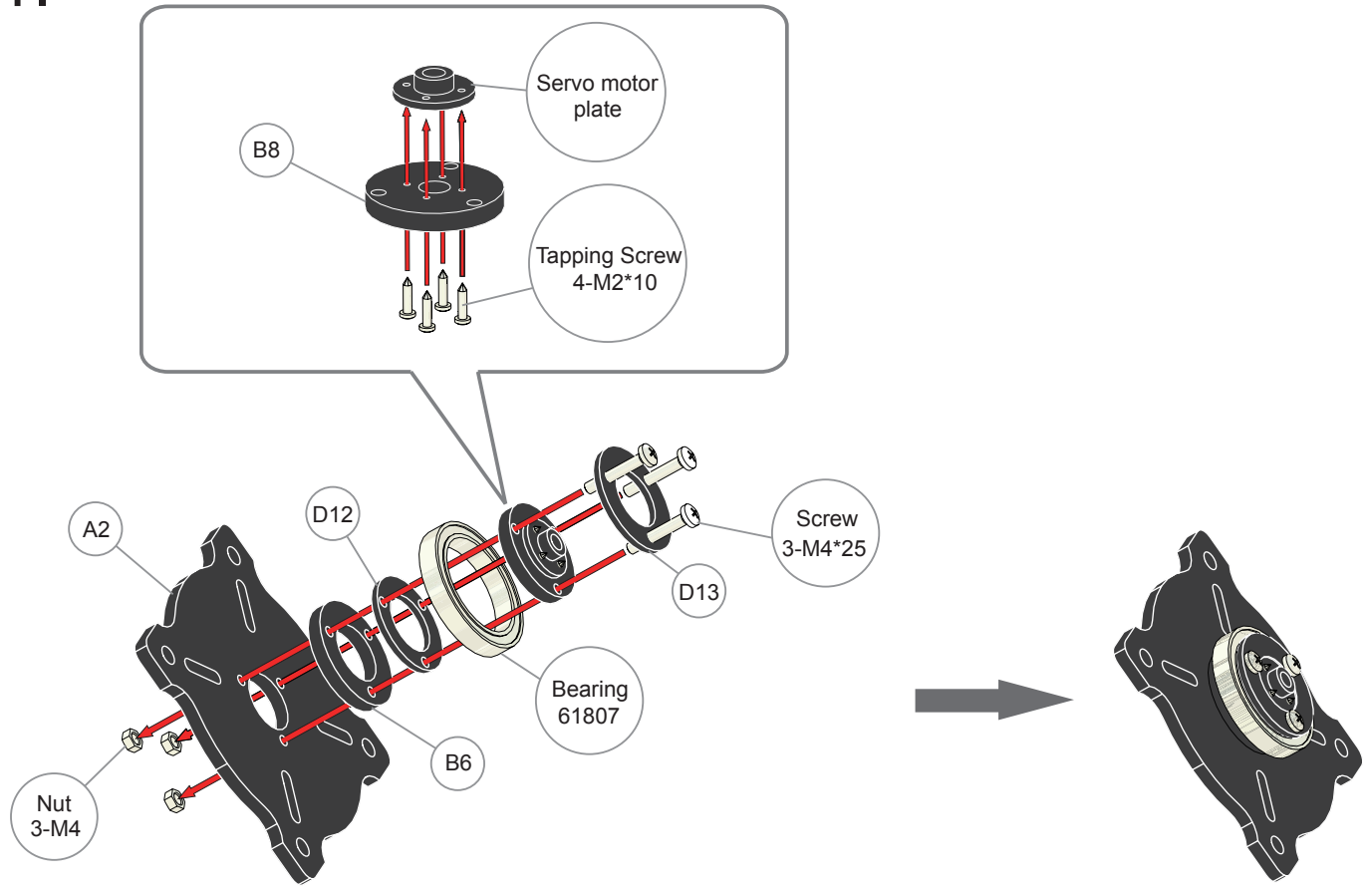
Download uArm Assembly Instructions and Software here:
<http://ufactory.cc/downloads.html>

Acrylic Parts

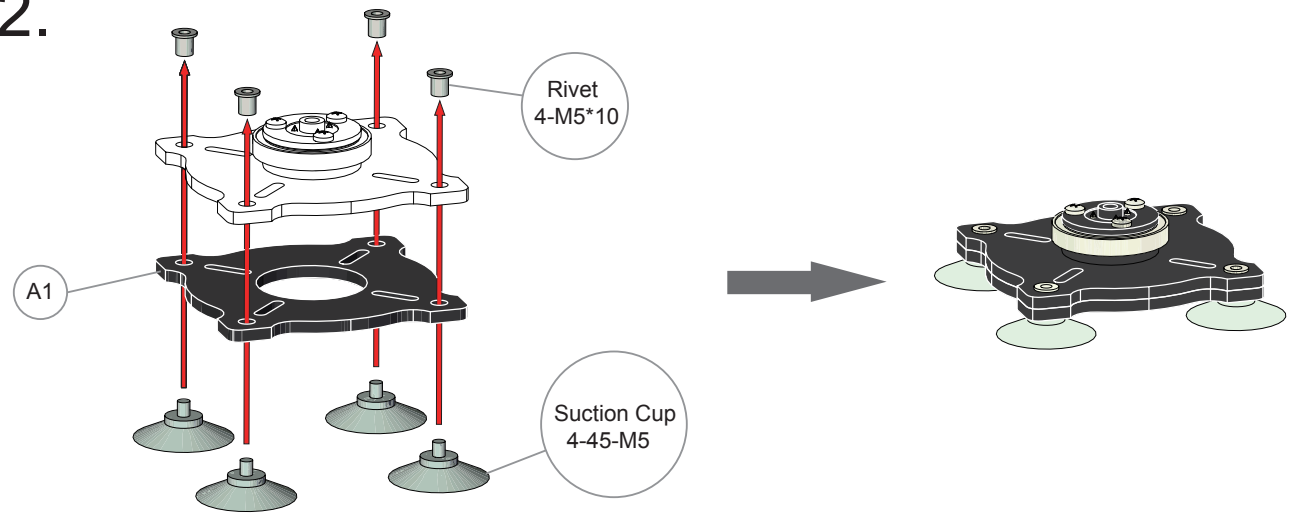


uArm assembly

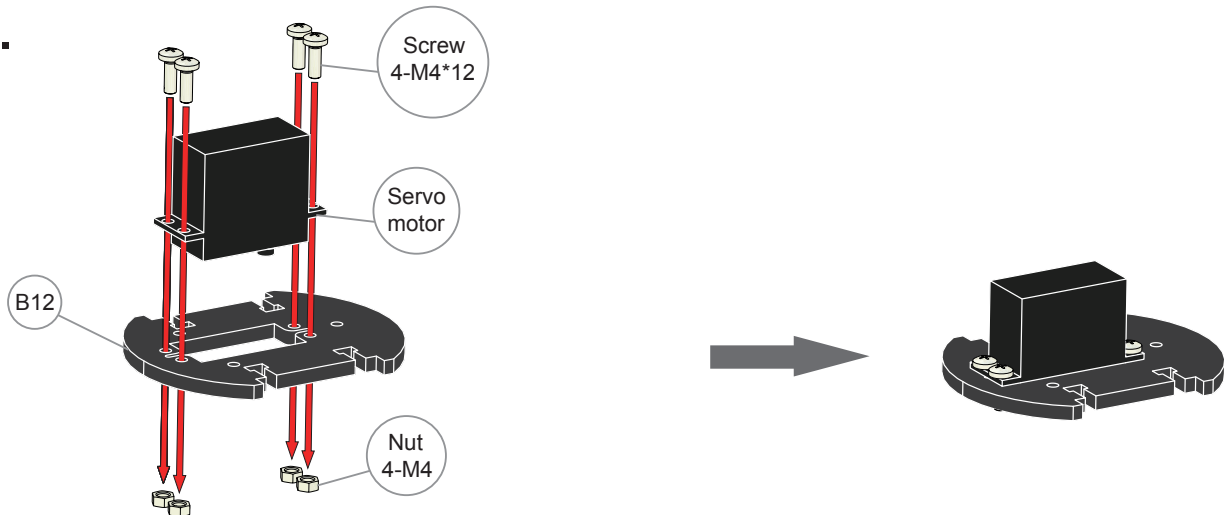
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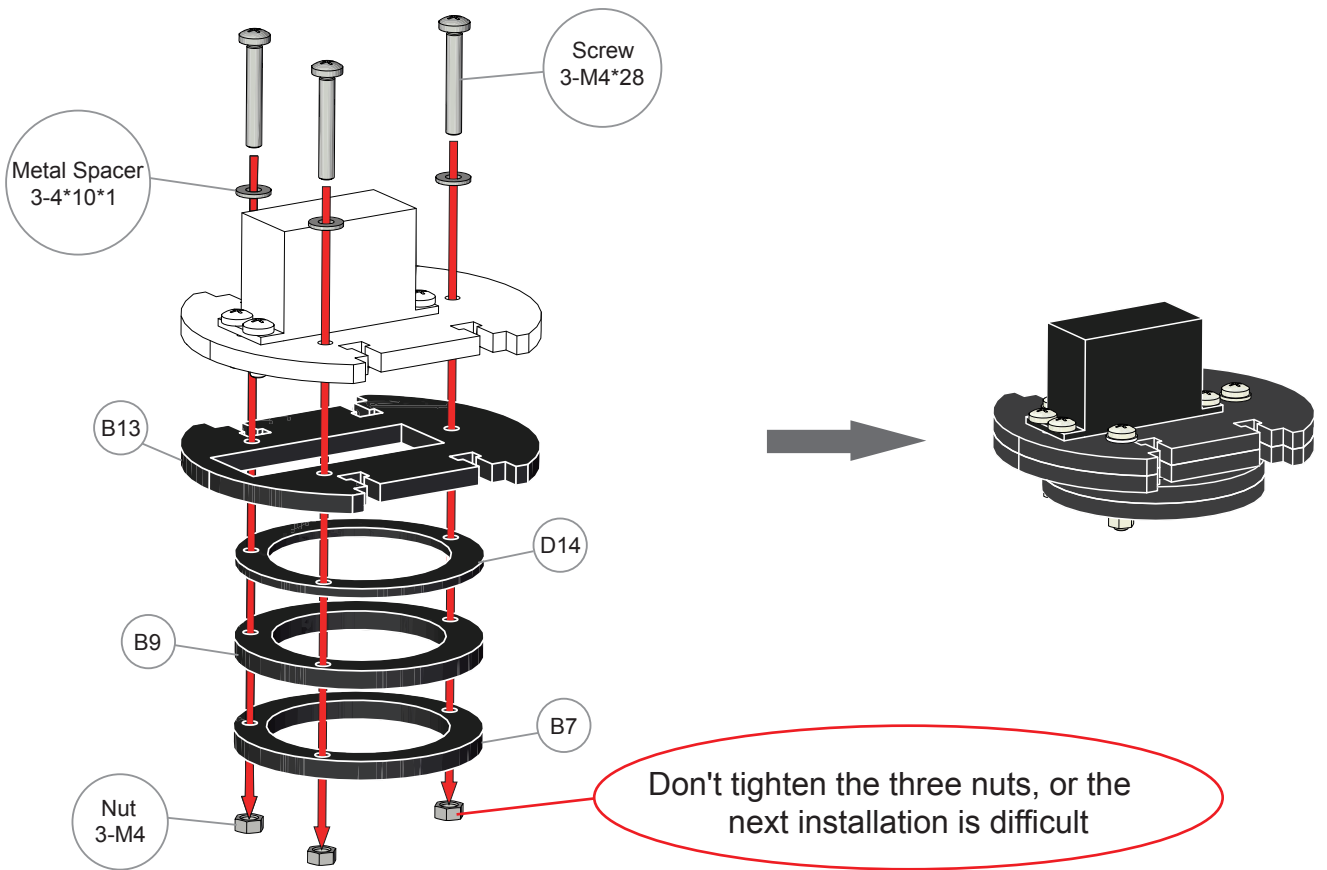
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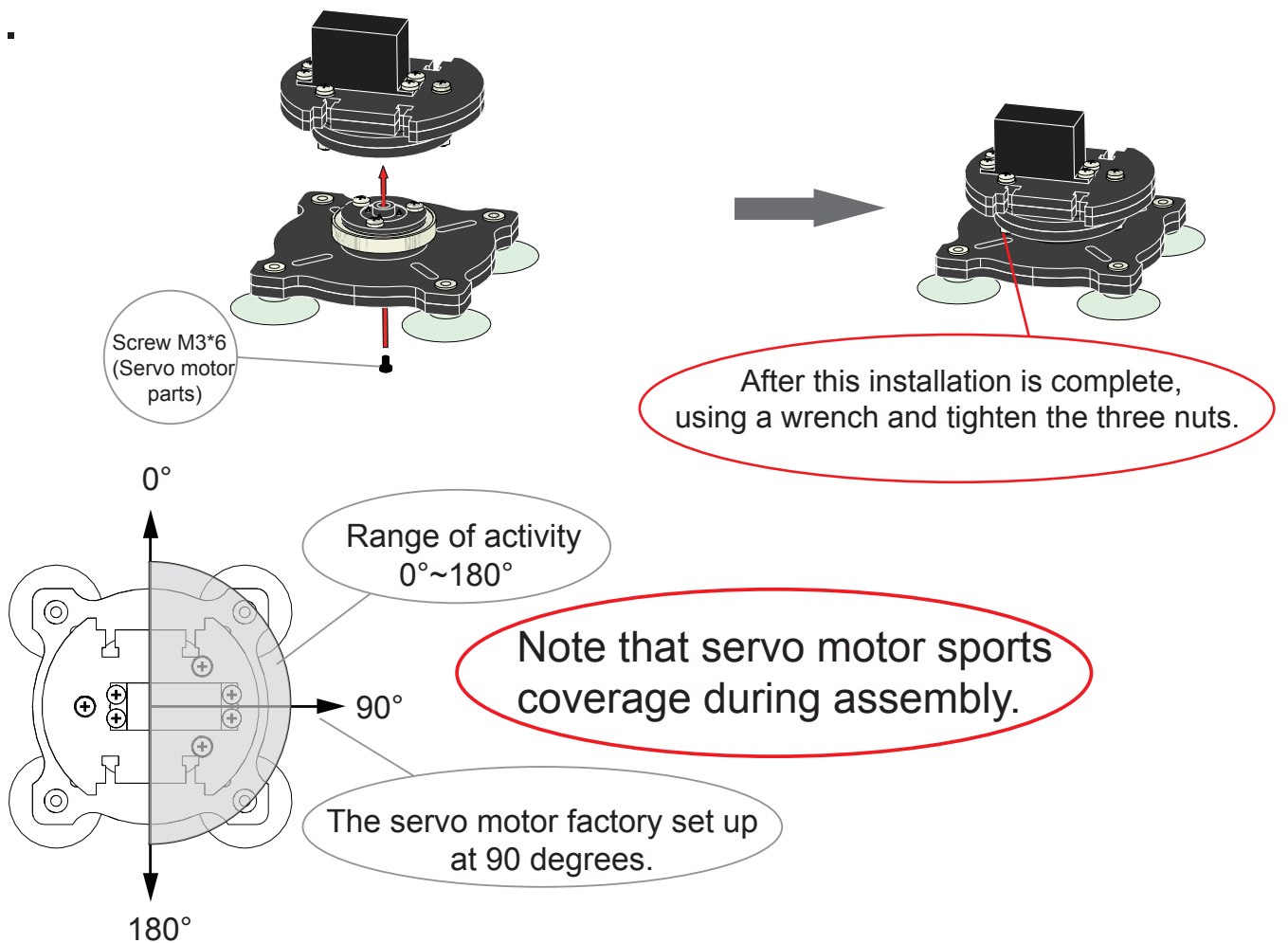
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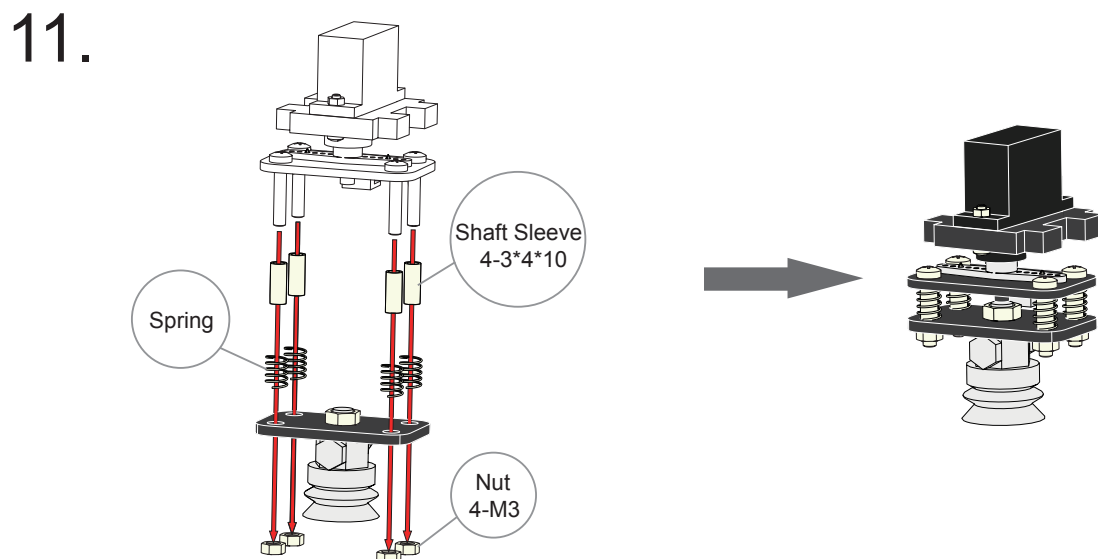
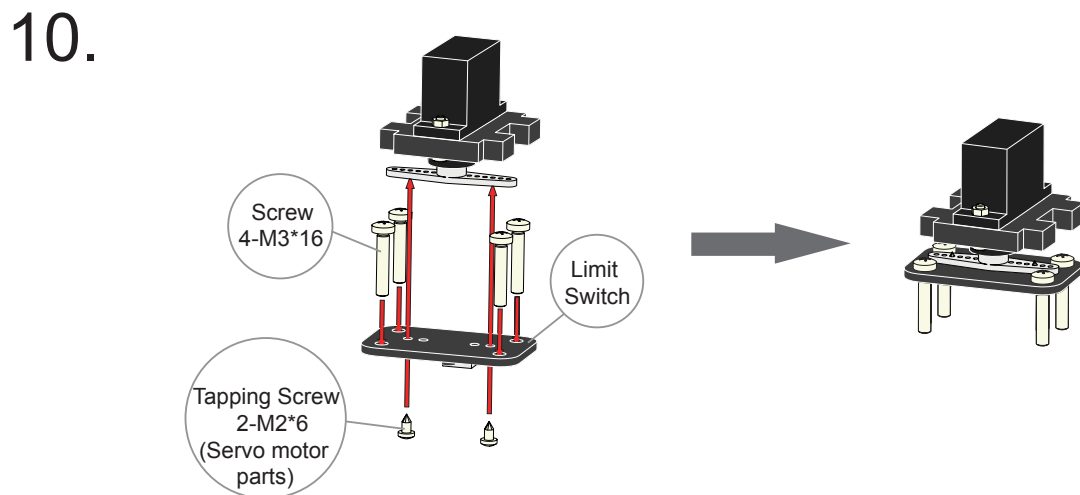
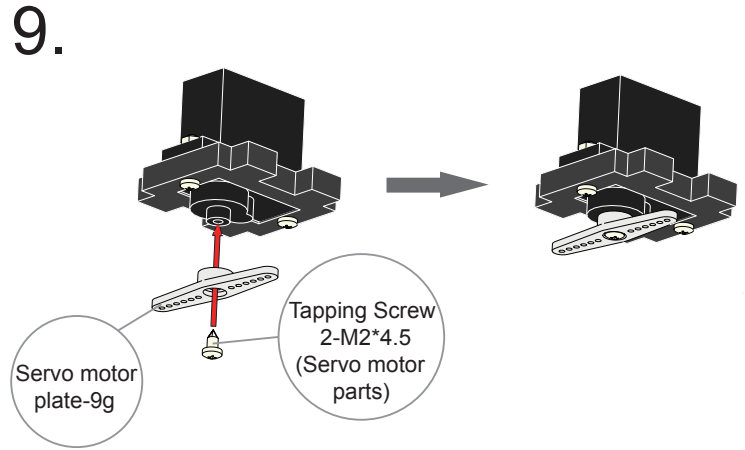
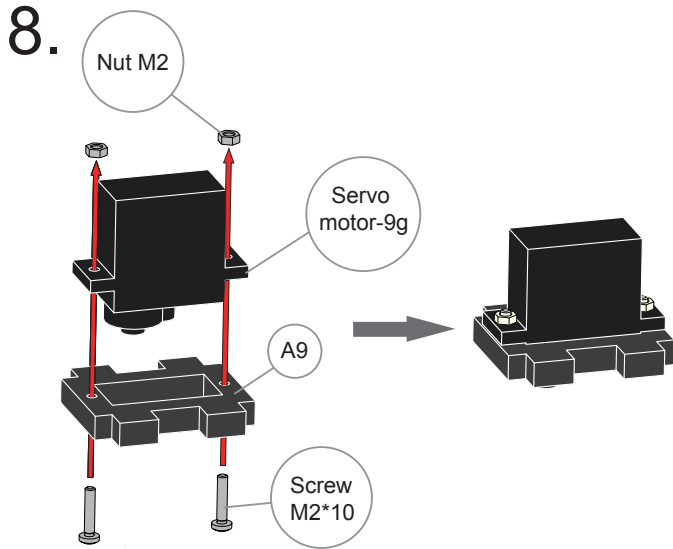
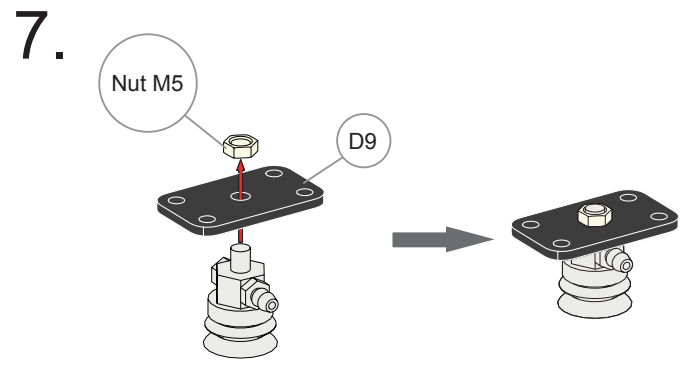
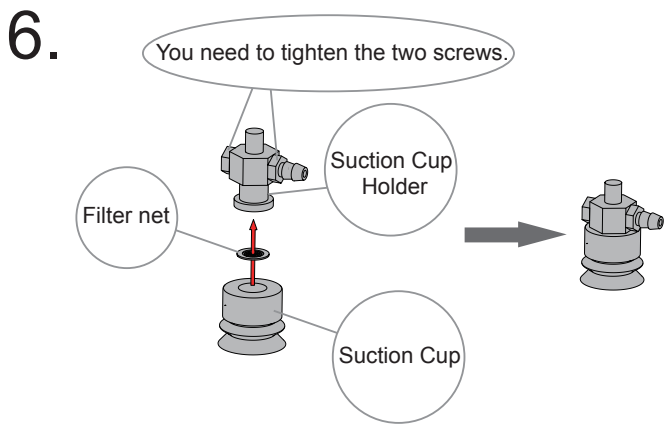


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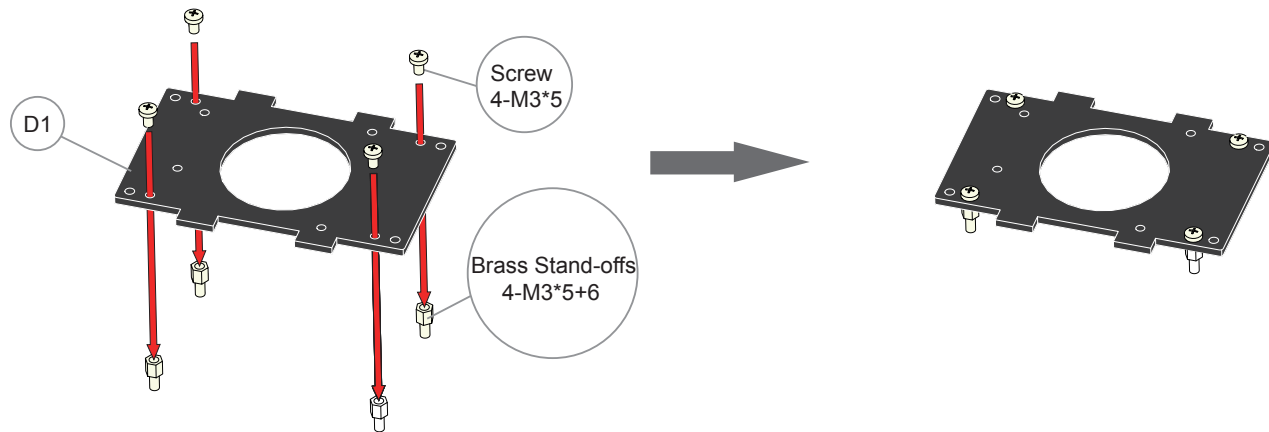


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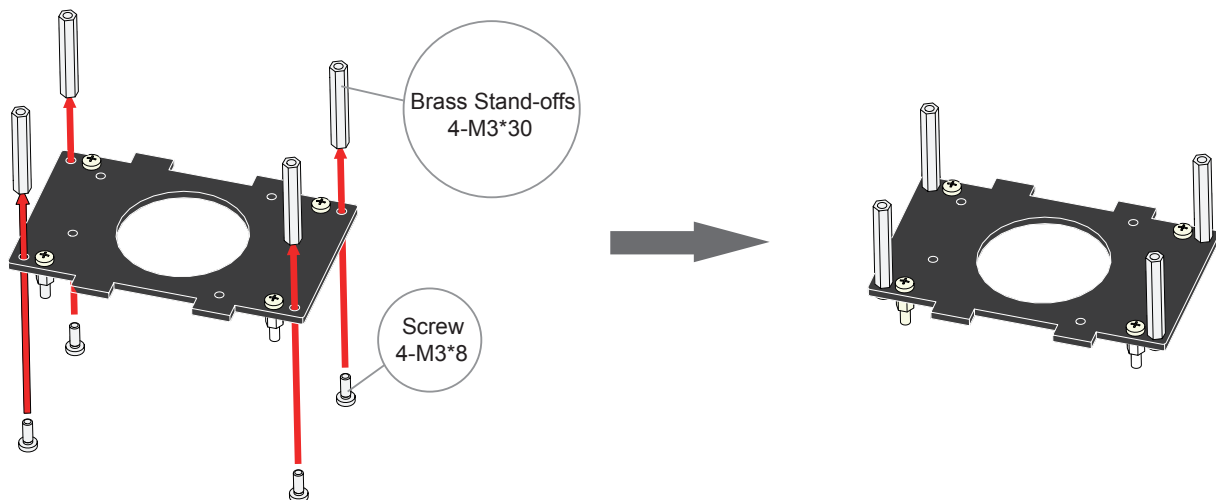




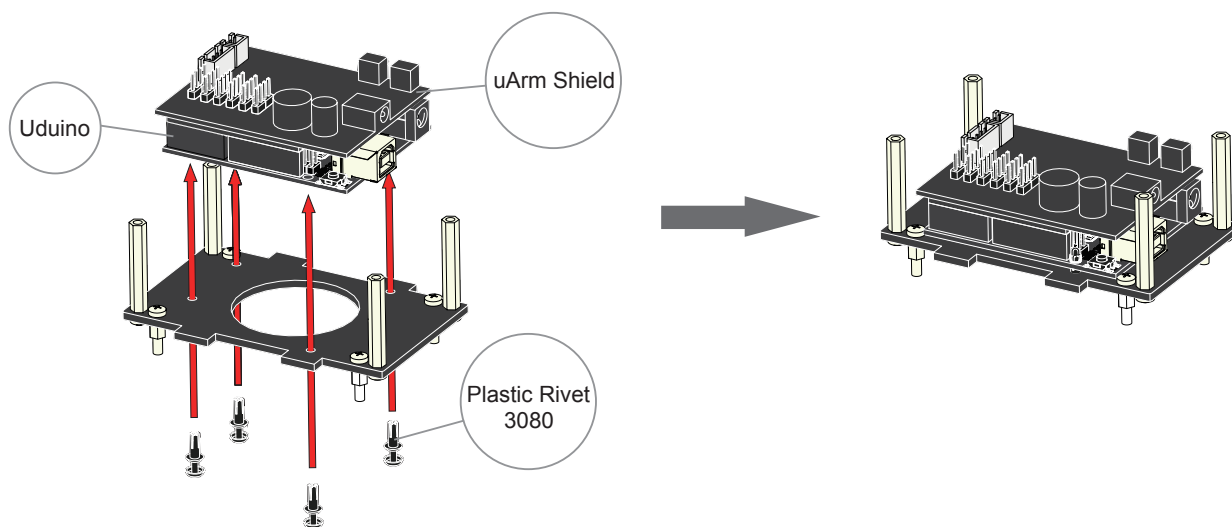
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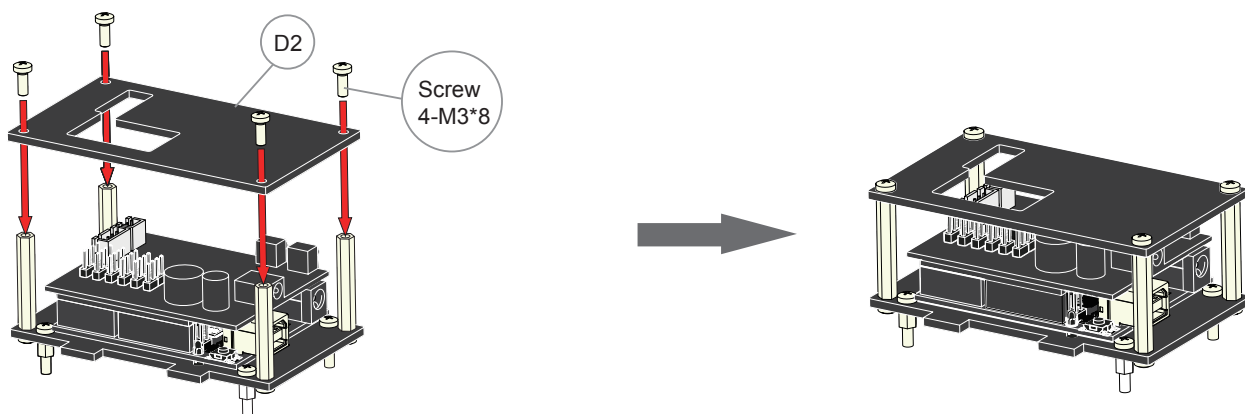
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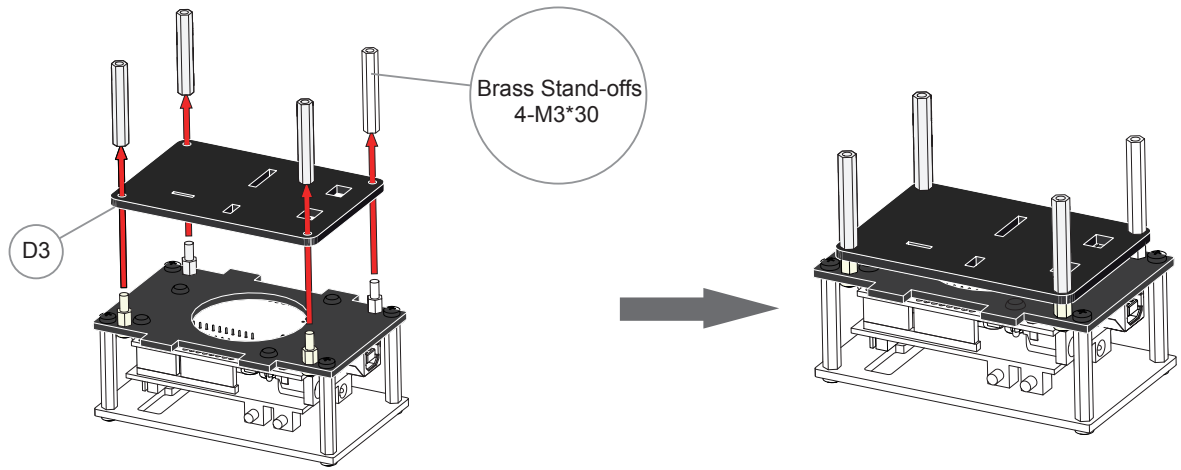
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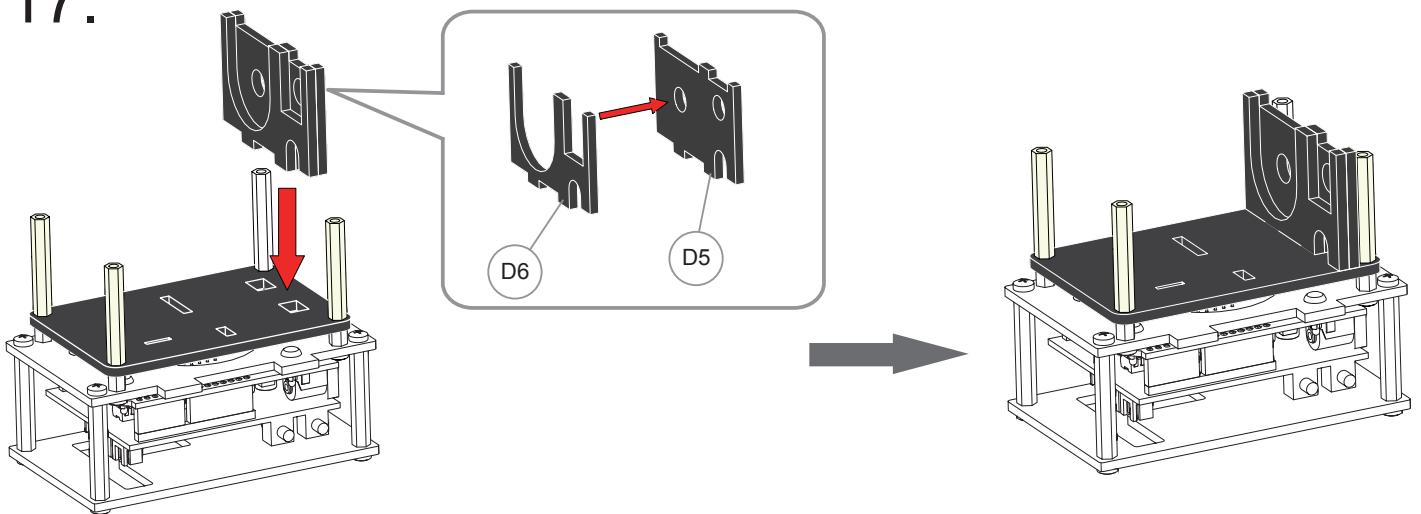
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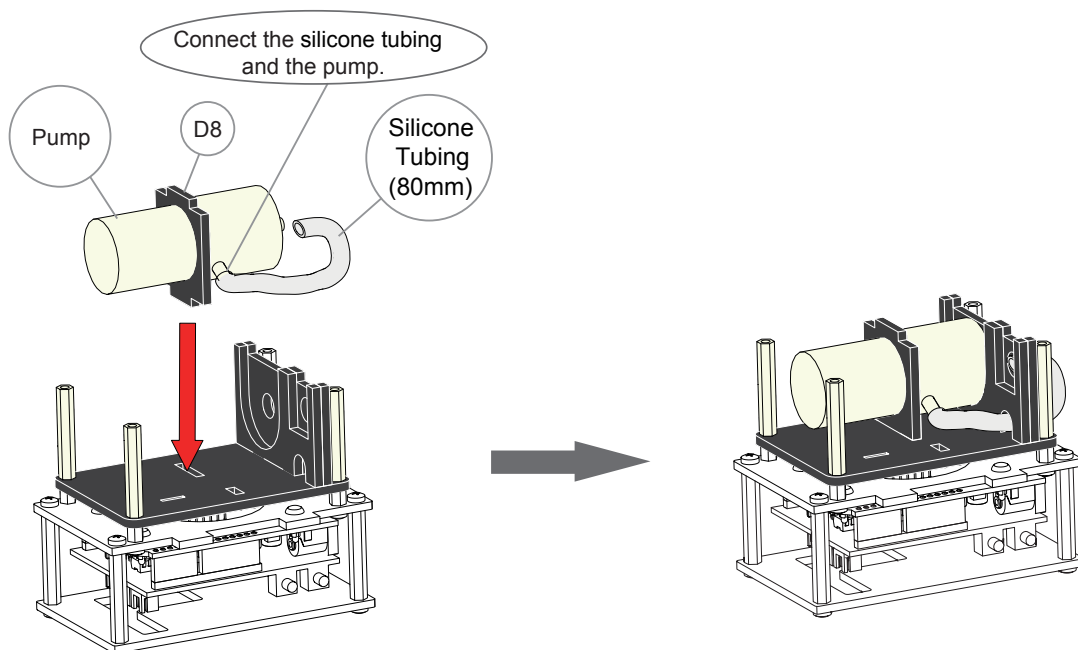
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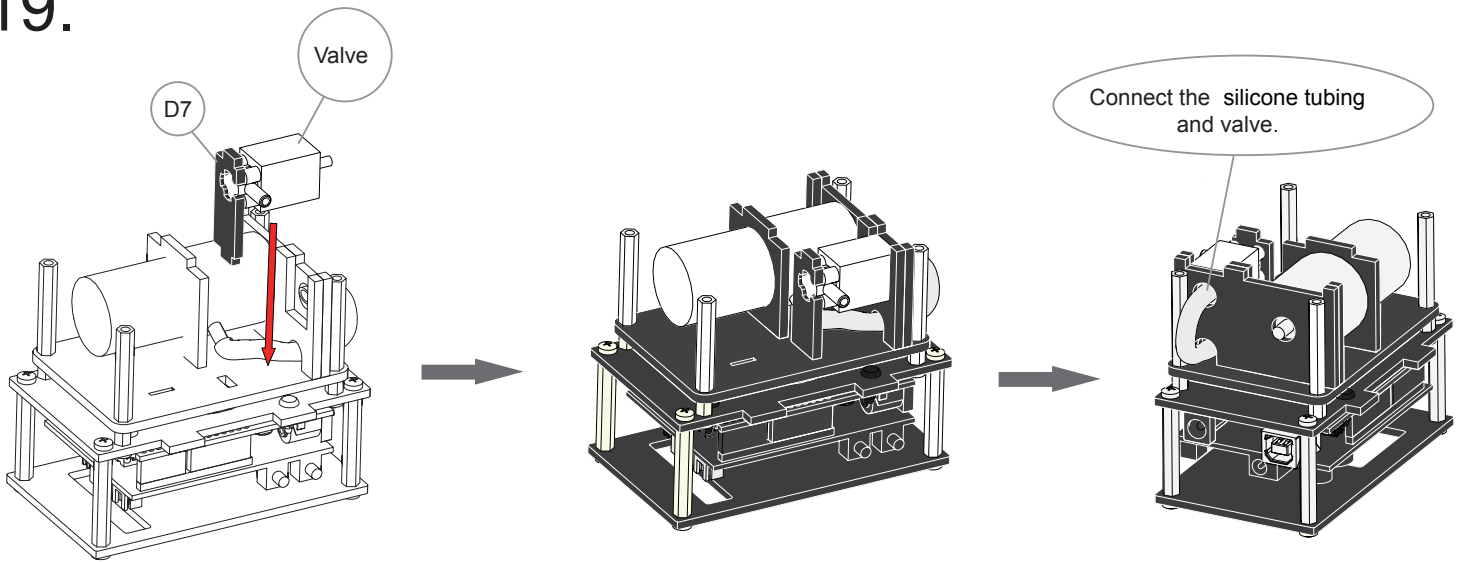
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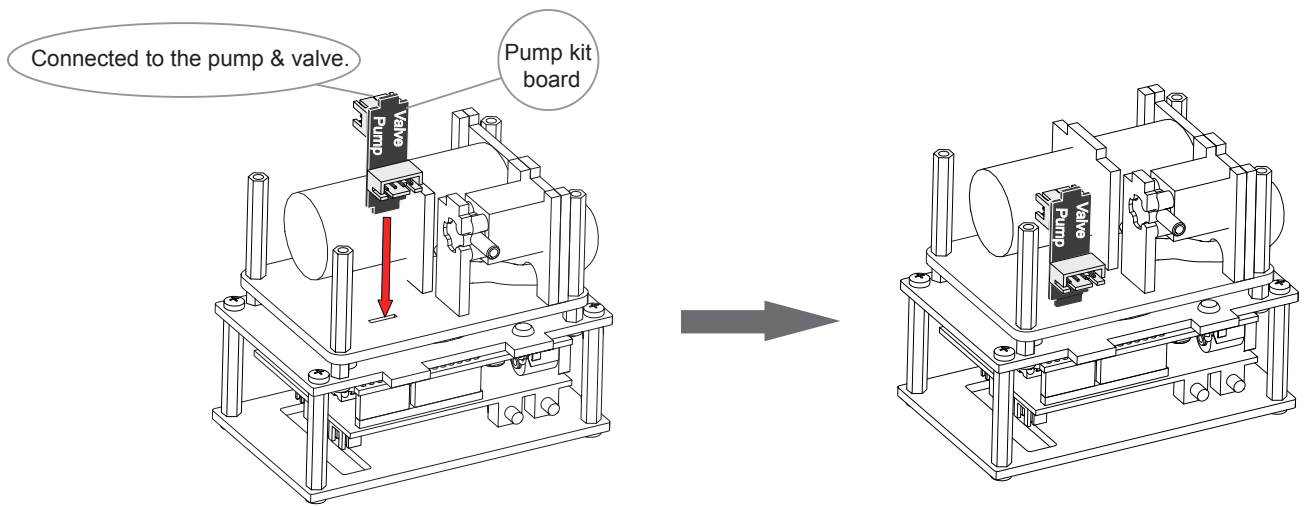
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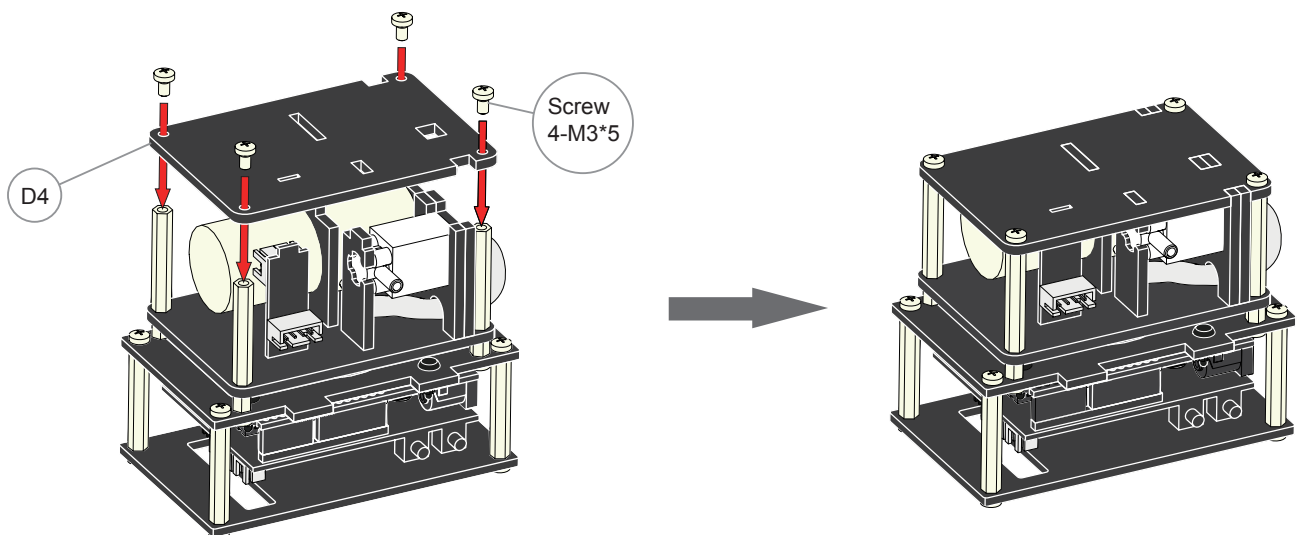
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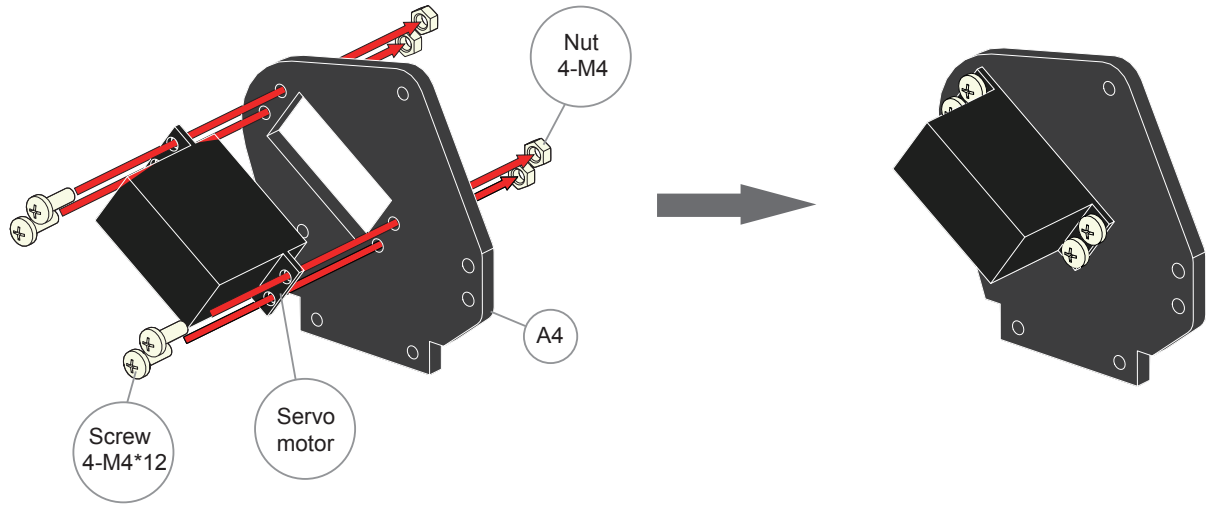
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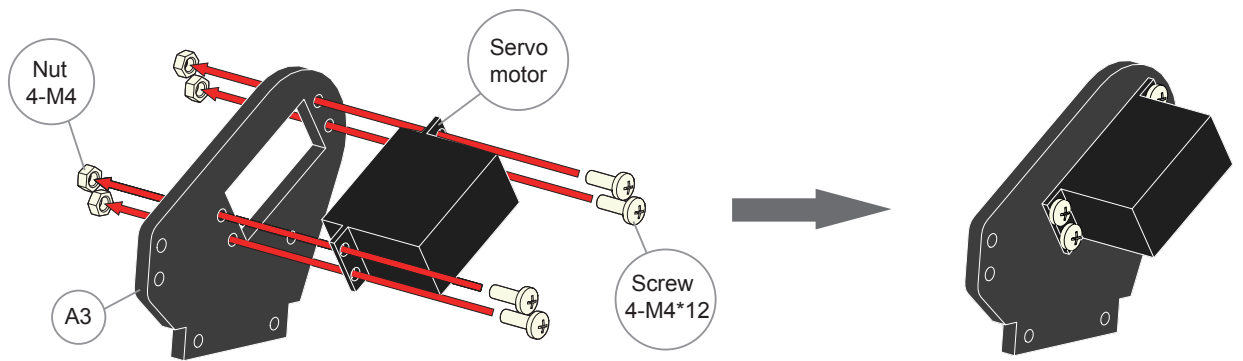
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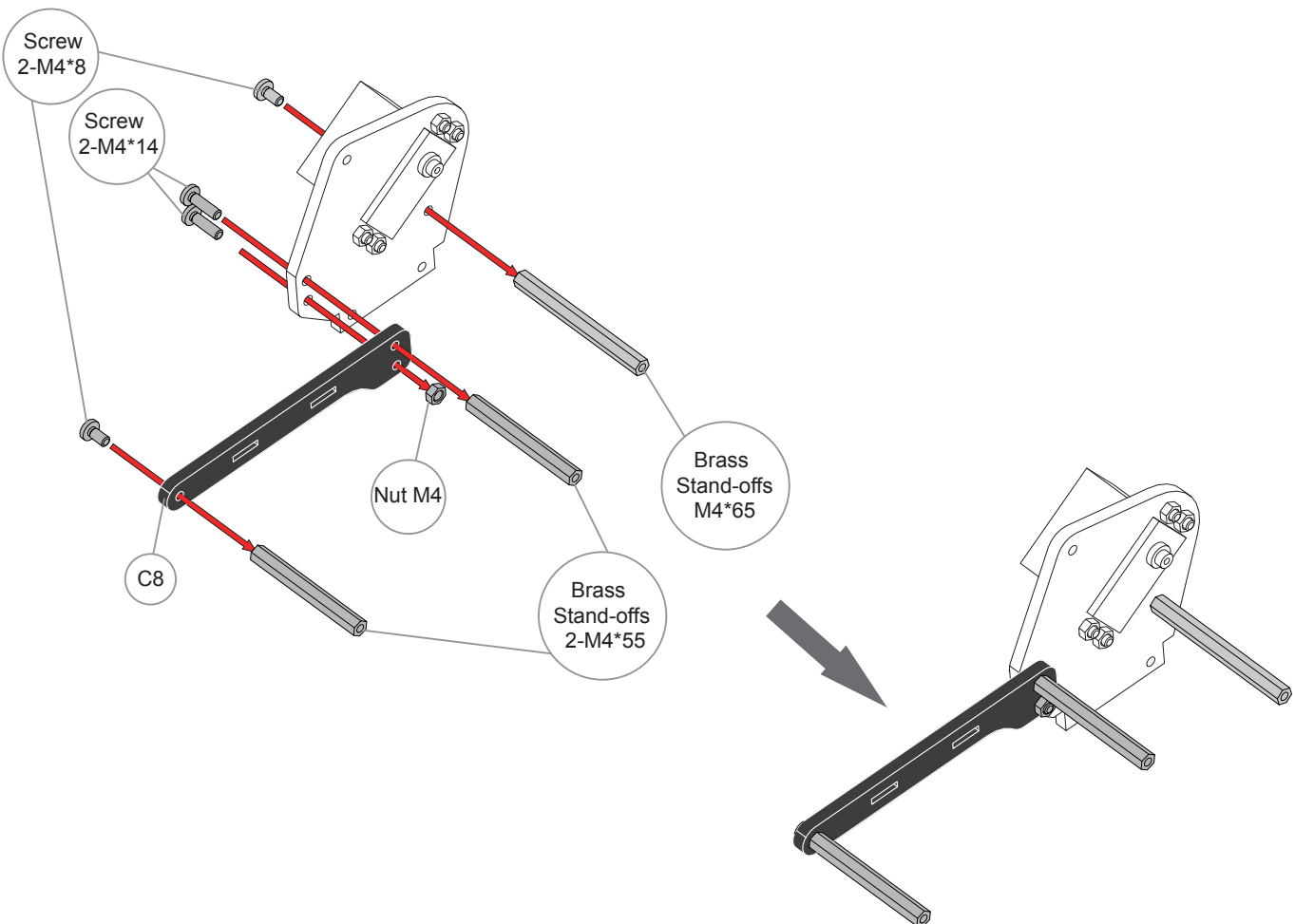
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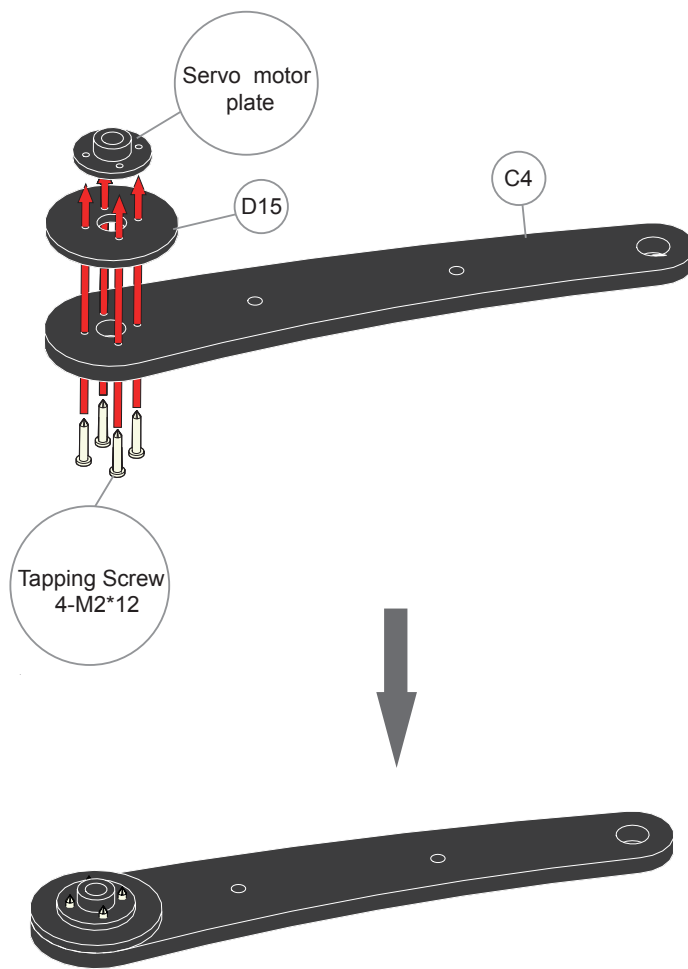
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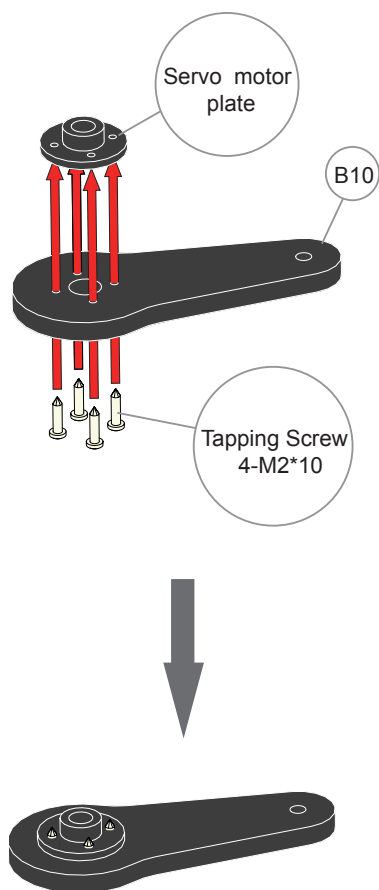
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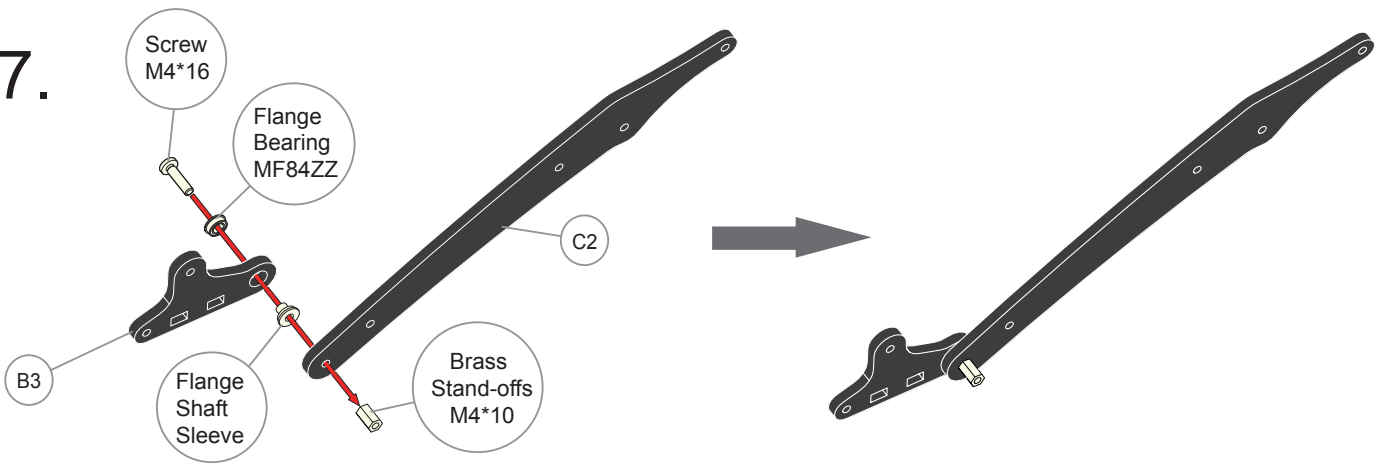
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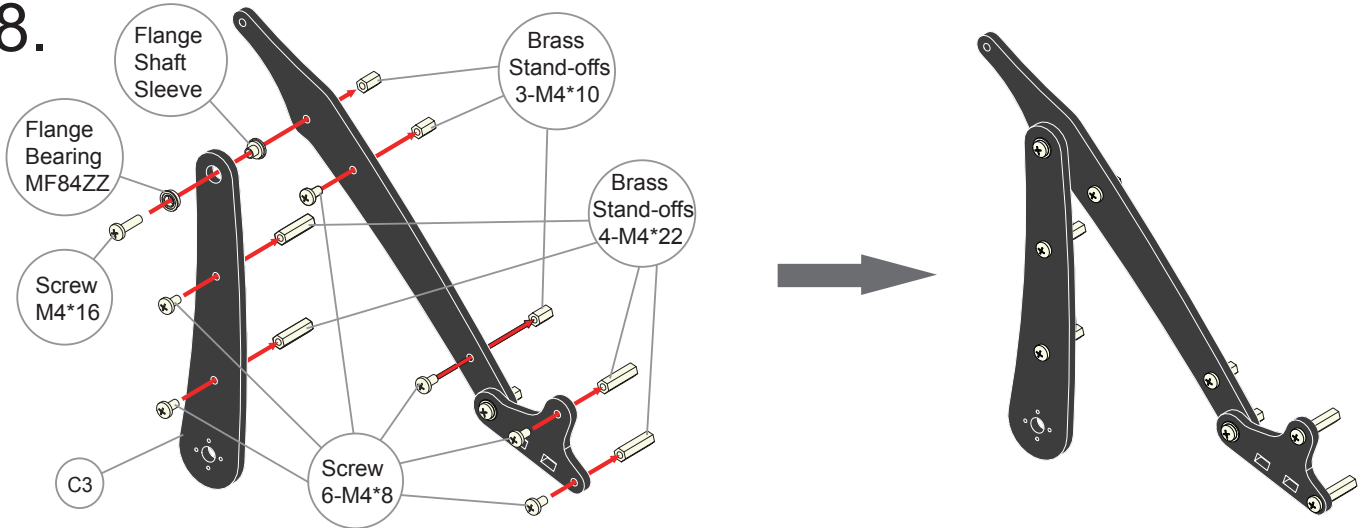
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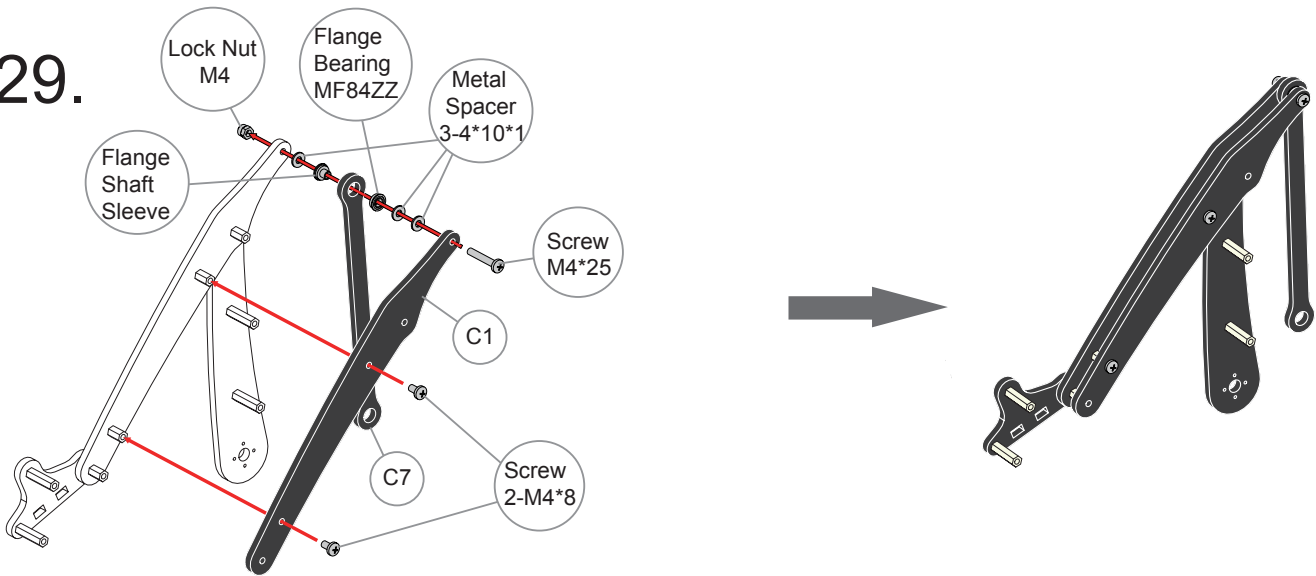
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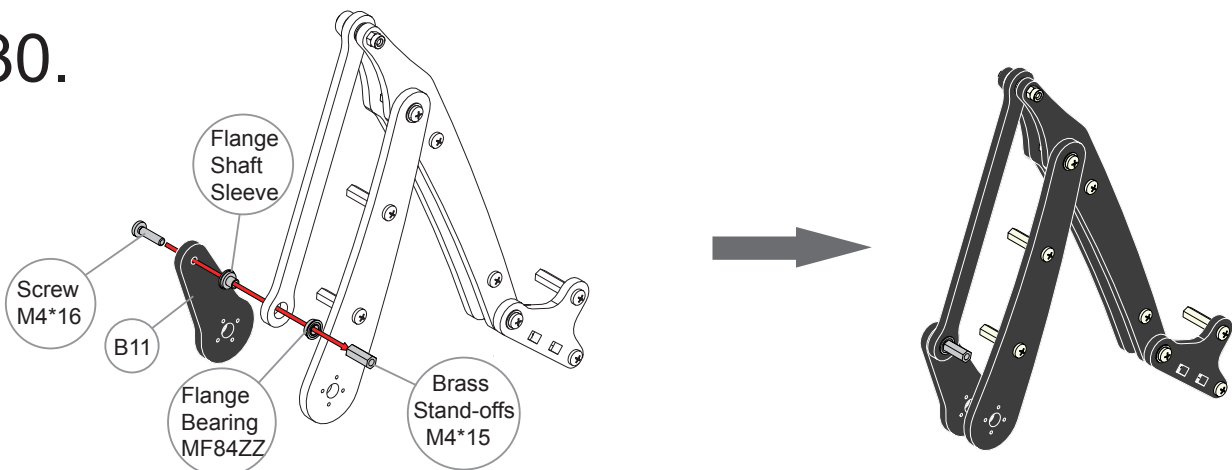
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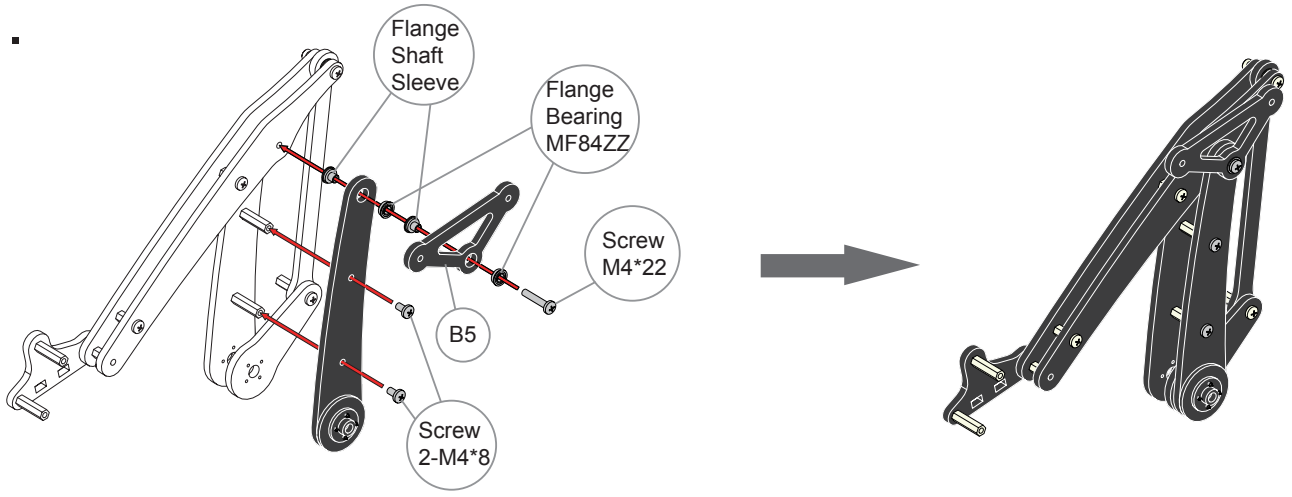
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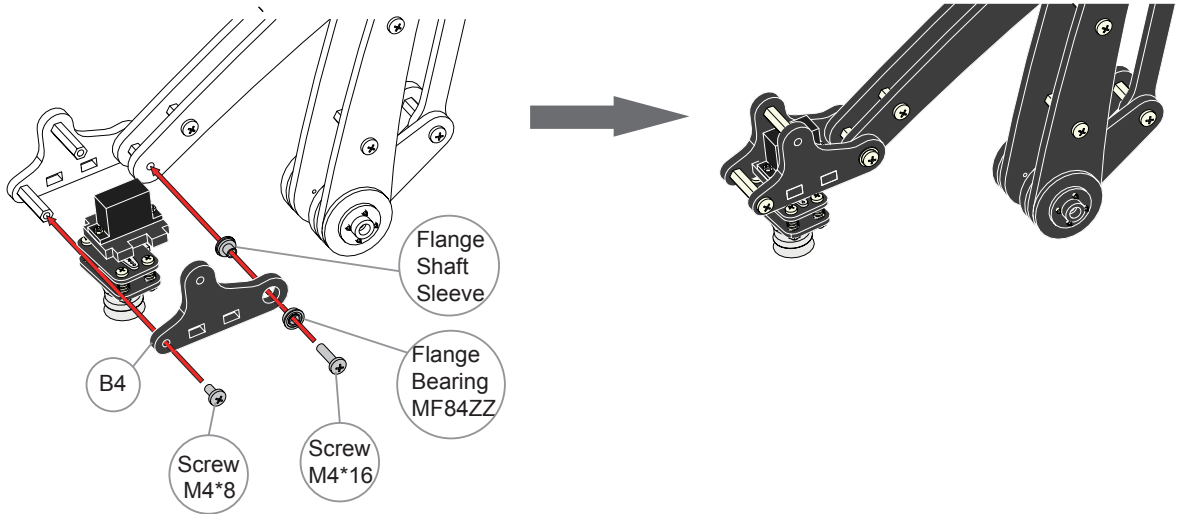
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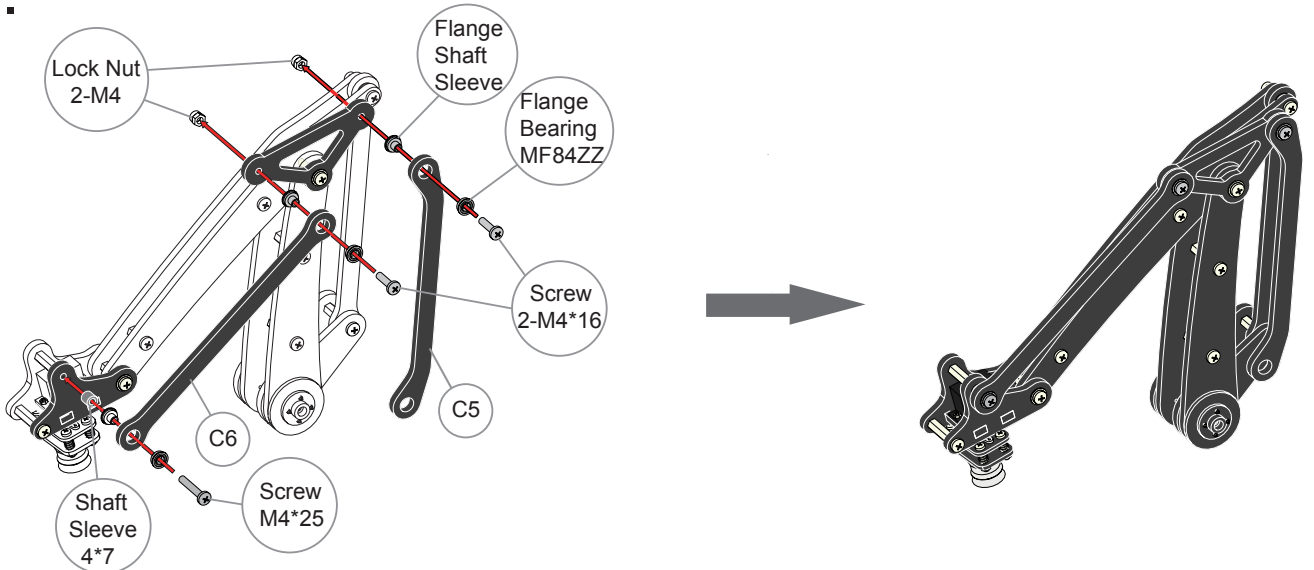
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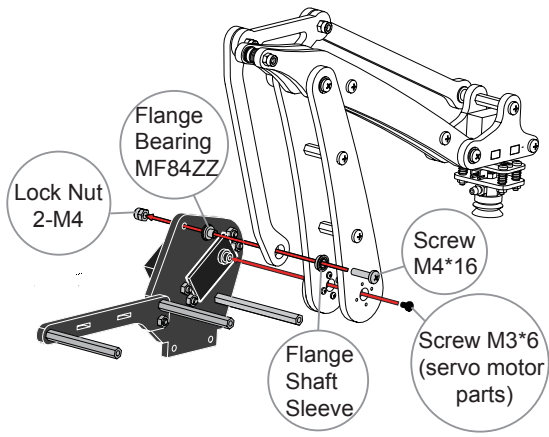
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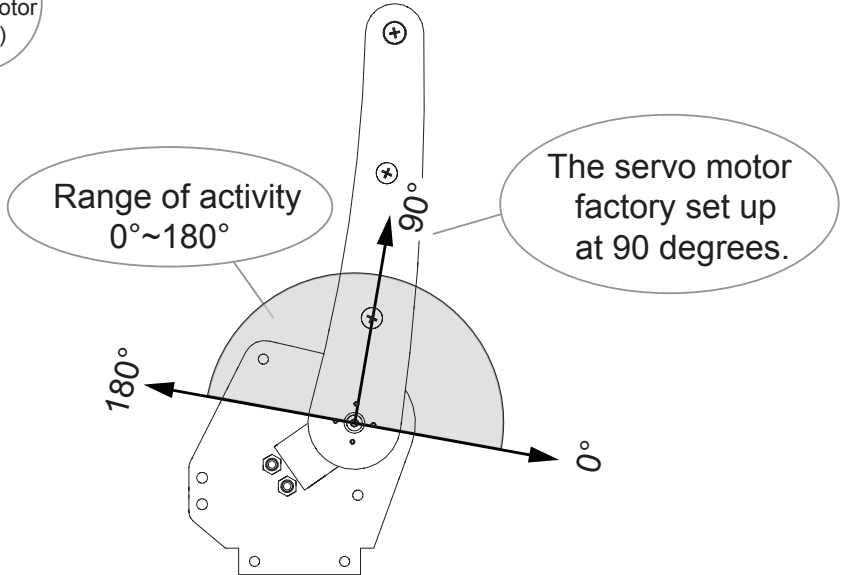
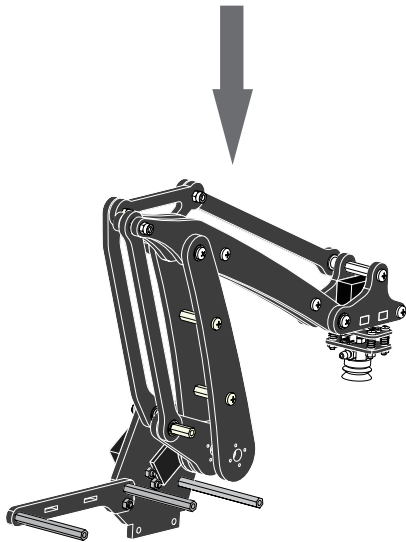
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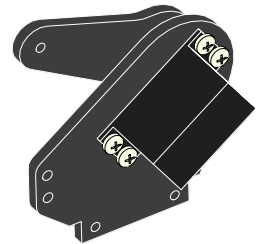
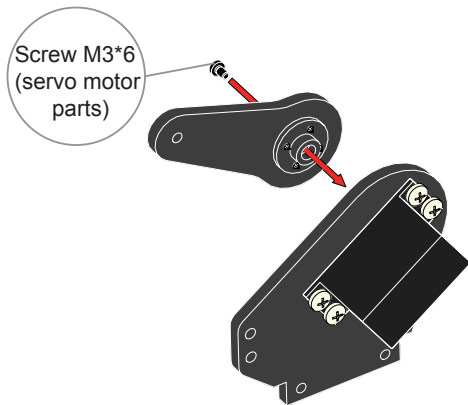
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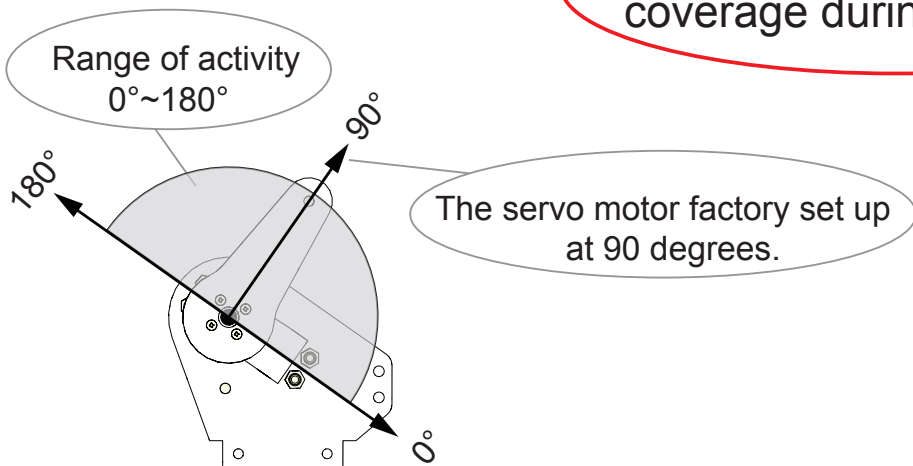
Note that servo motor sports coverage during assembly.



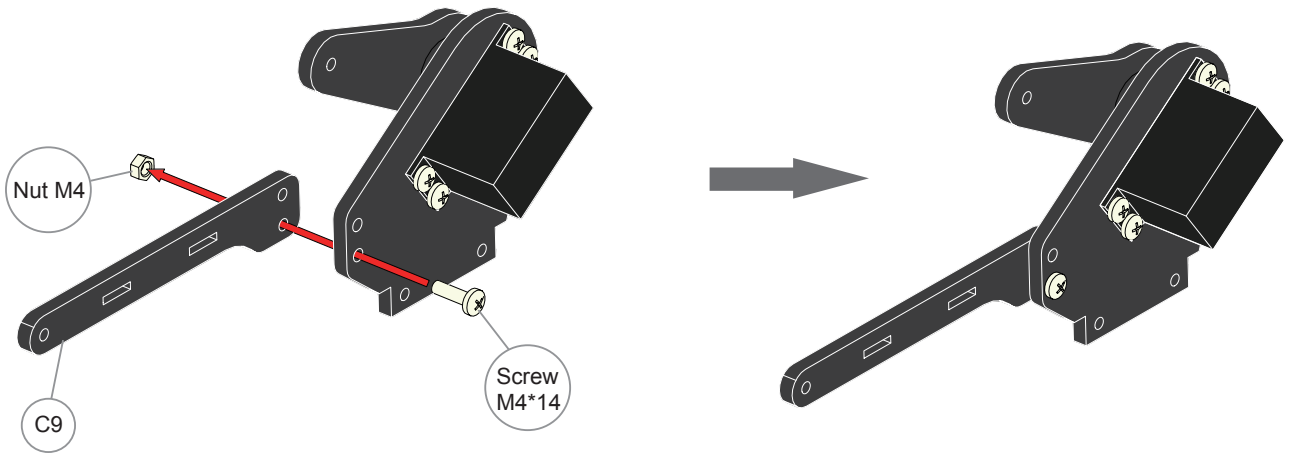
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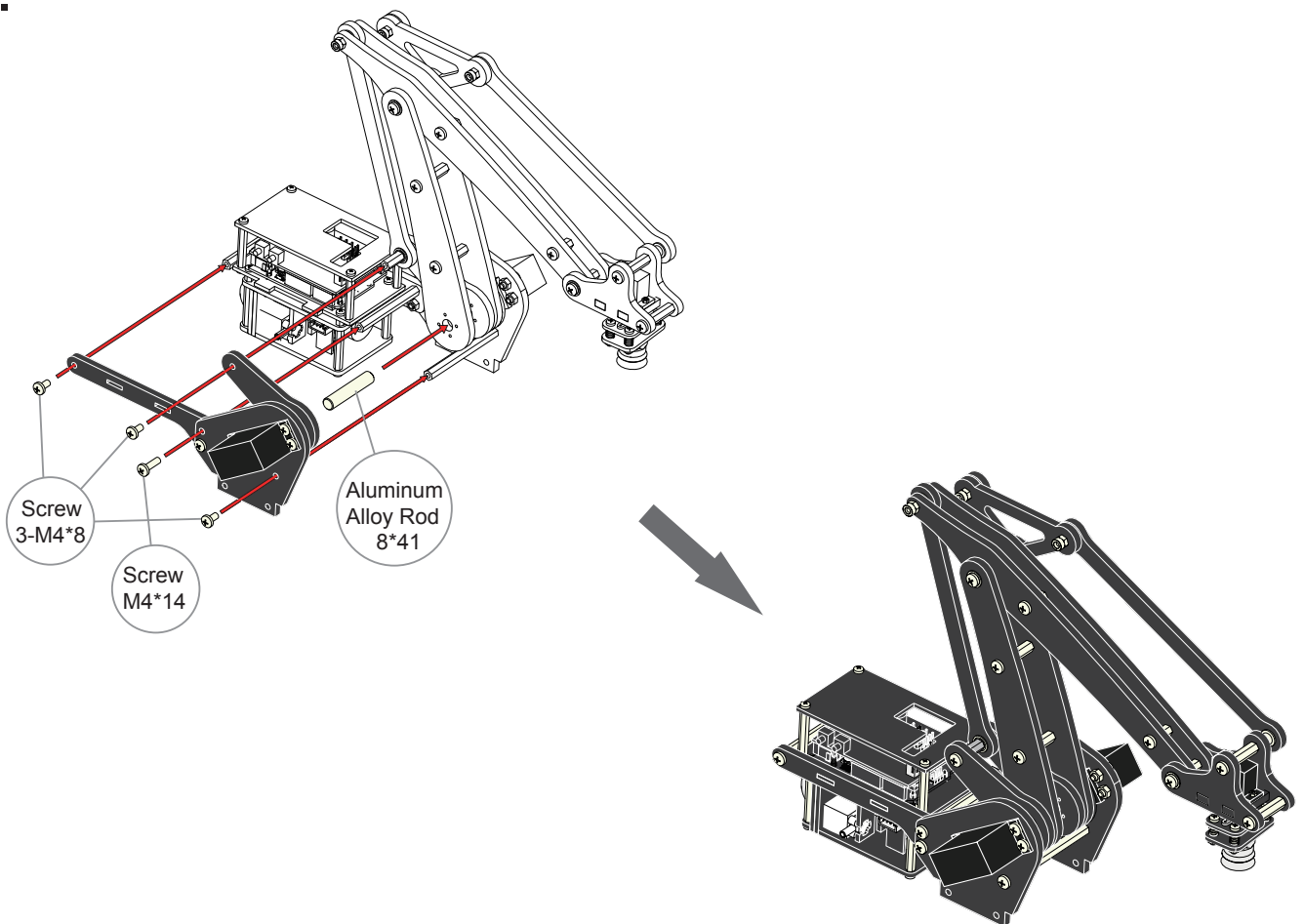
Note that servo motor sports coverage during assembly.



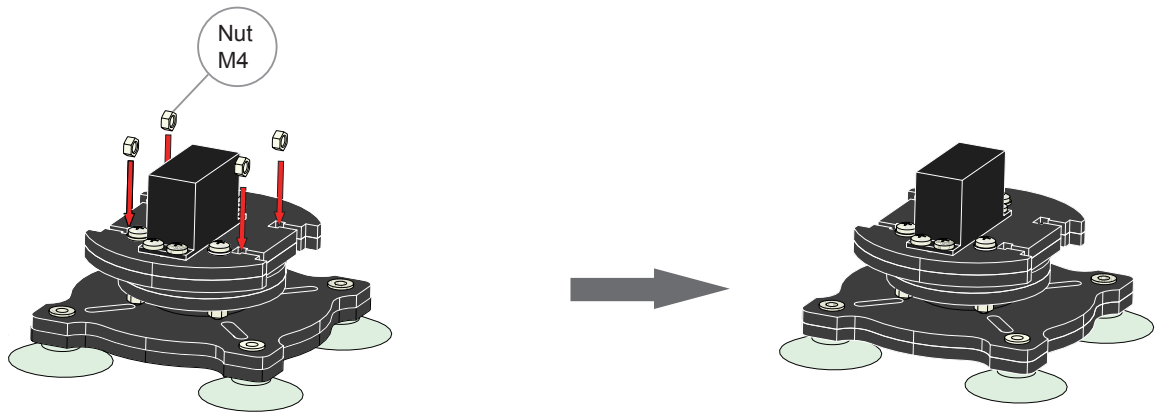
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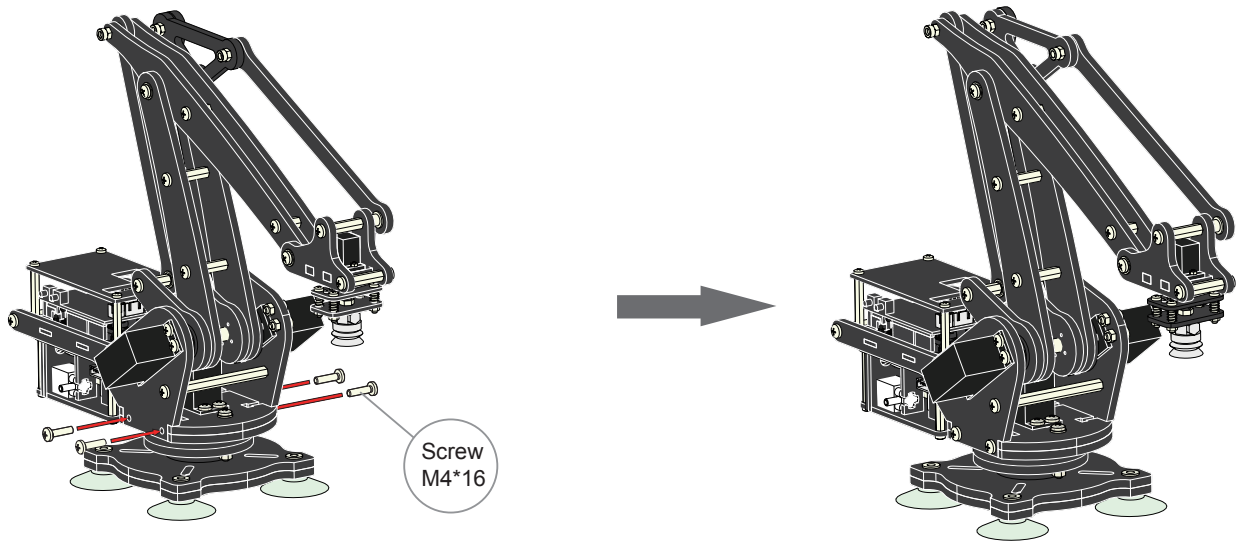
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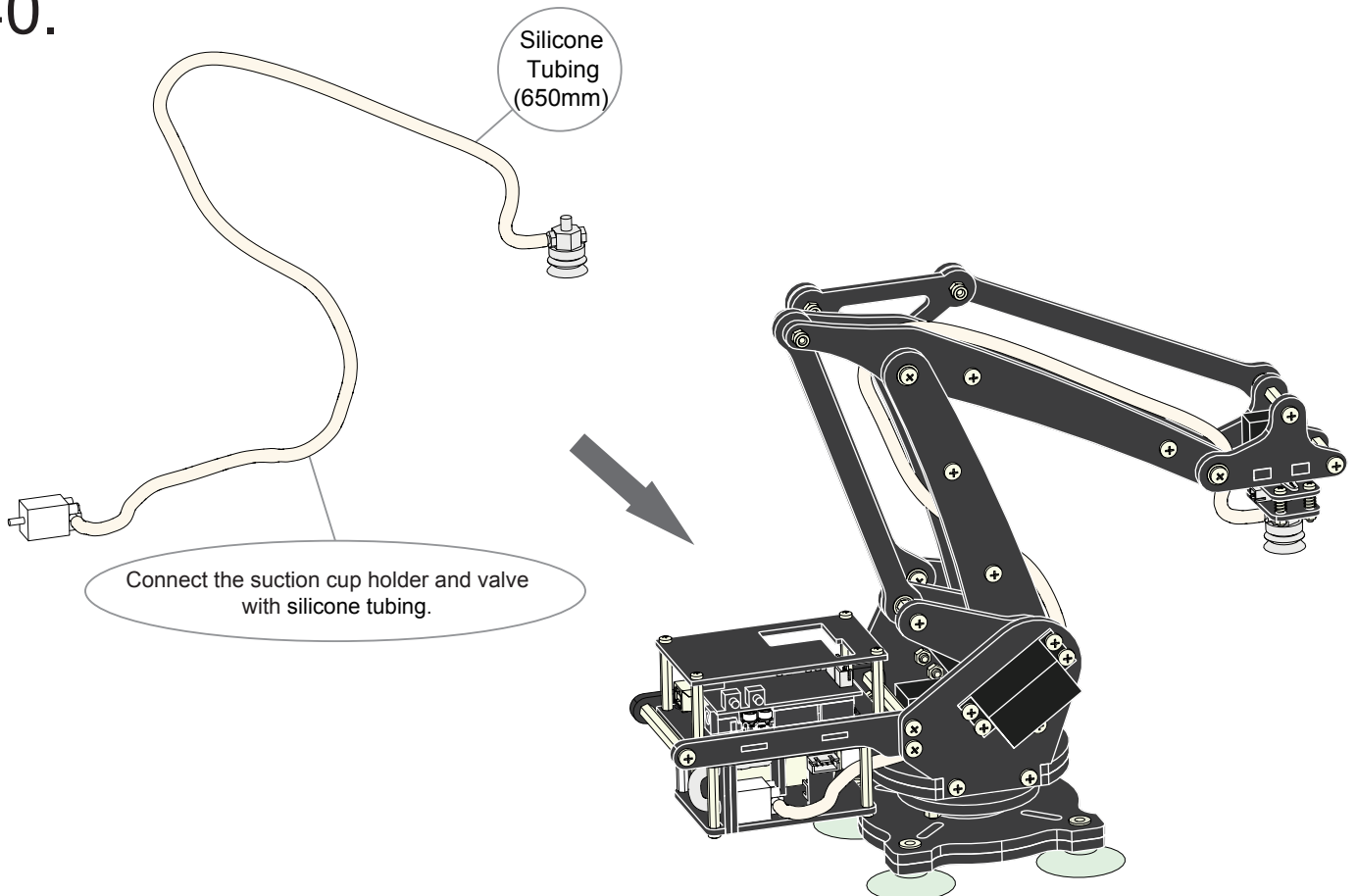
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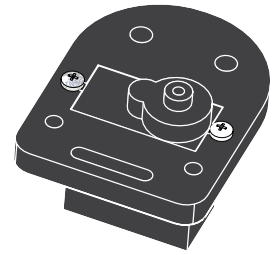
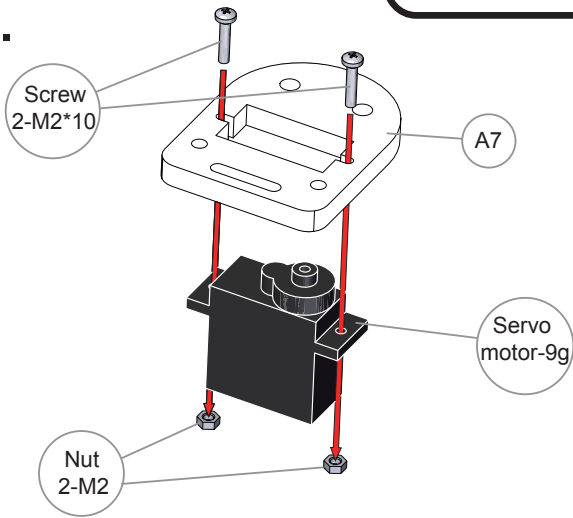


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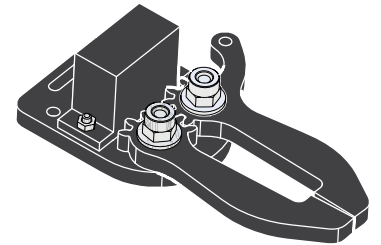
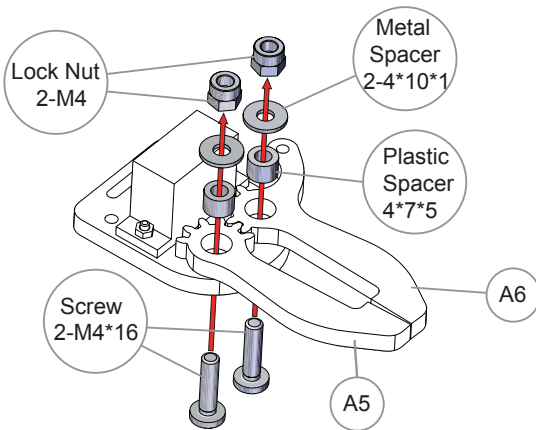


Gripper assembly

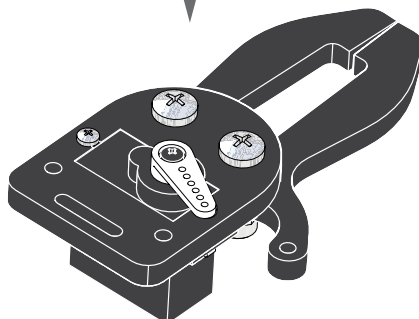
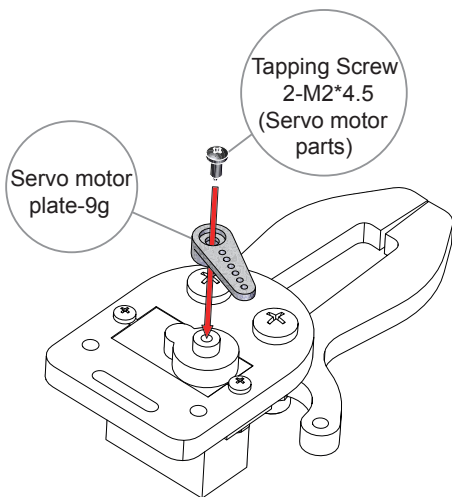
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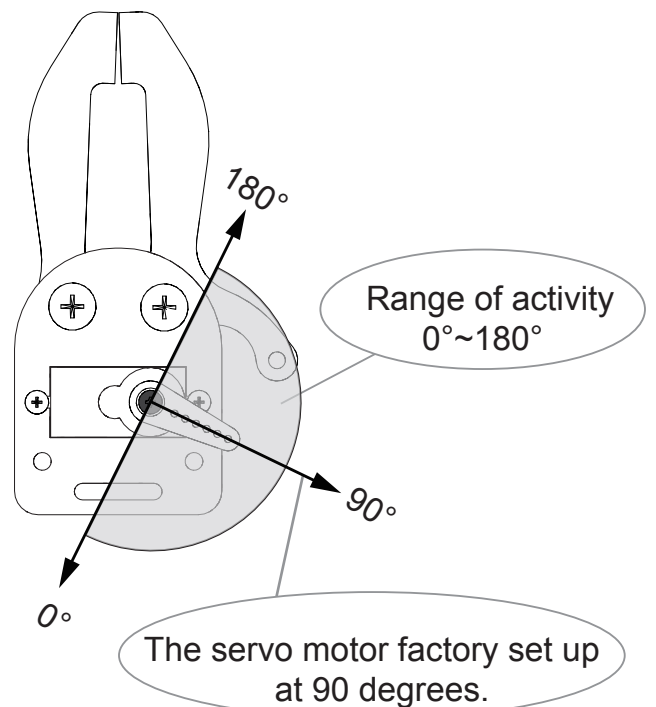
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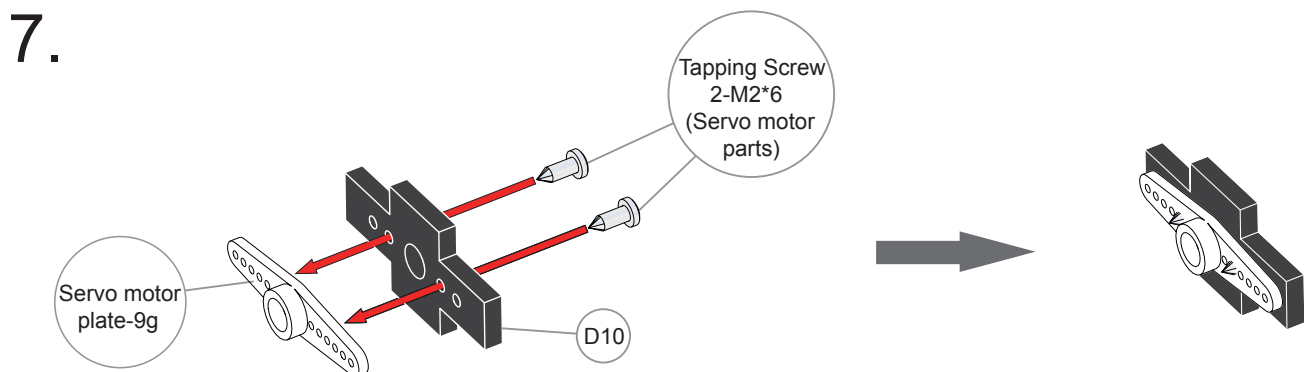
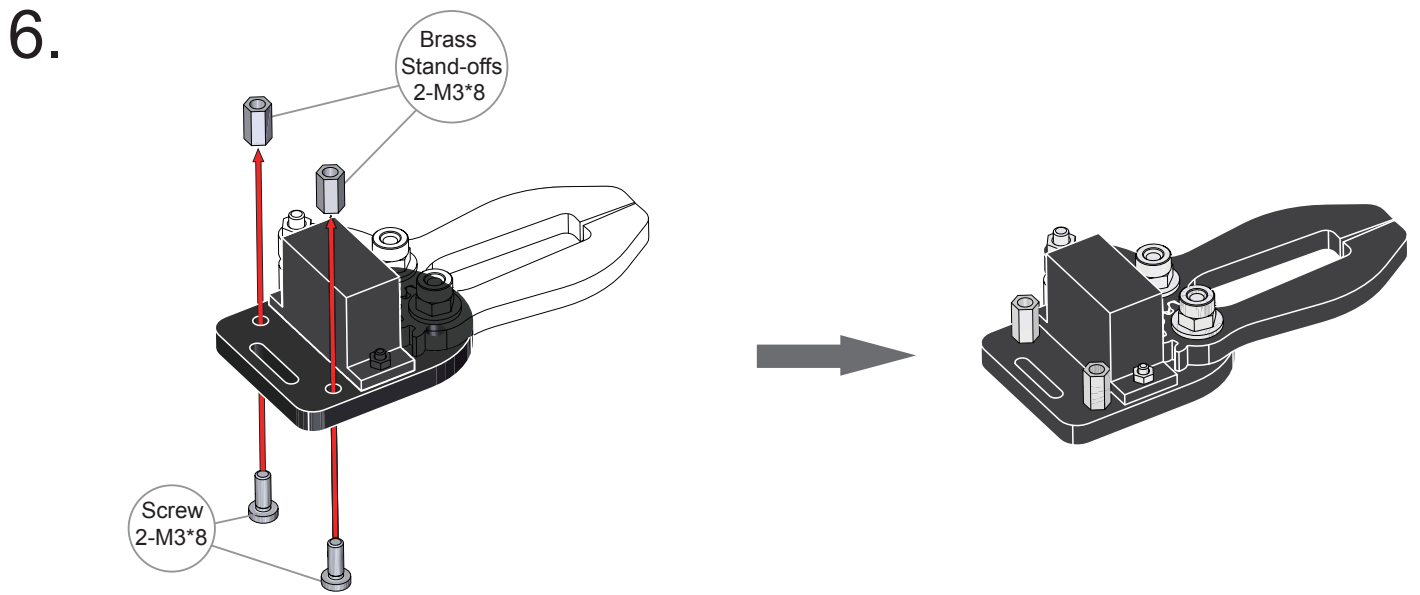
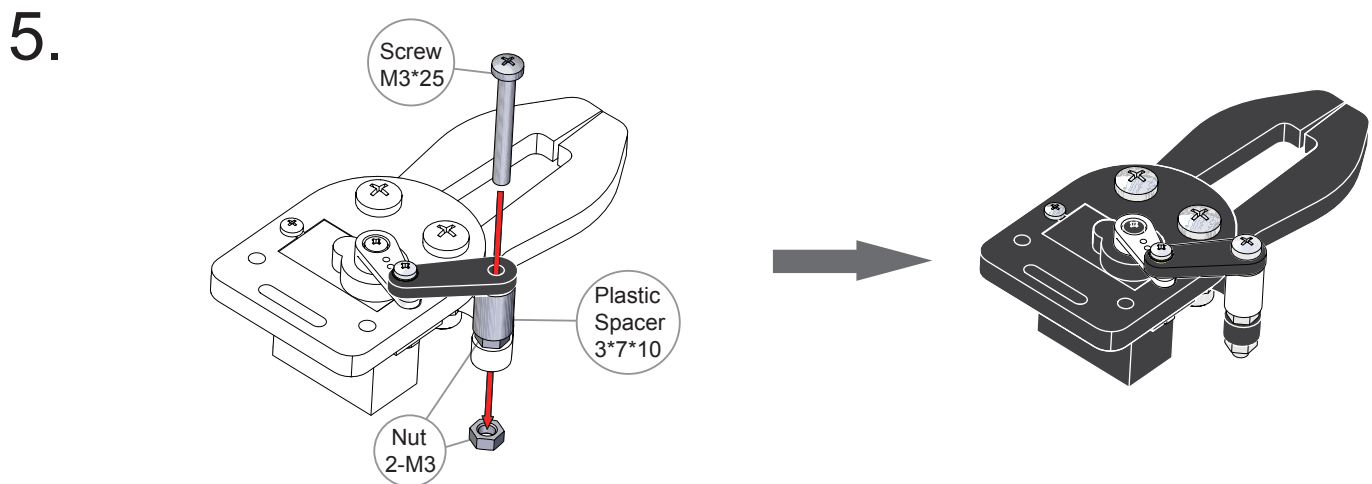
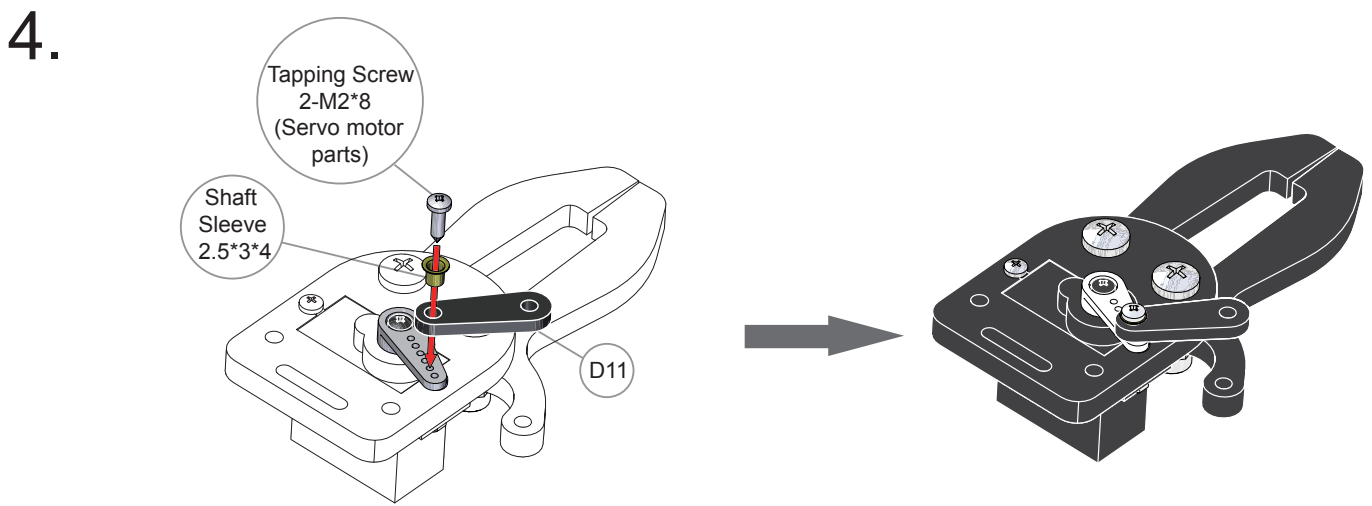


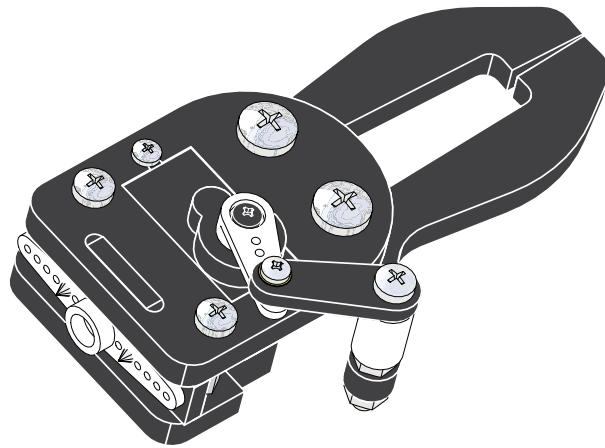
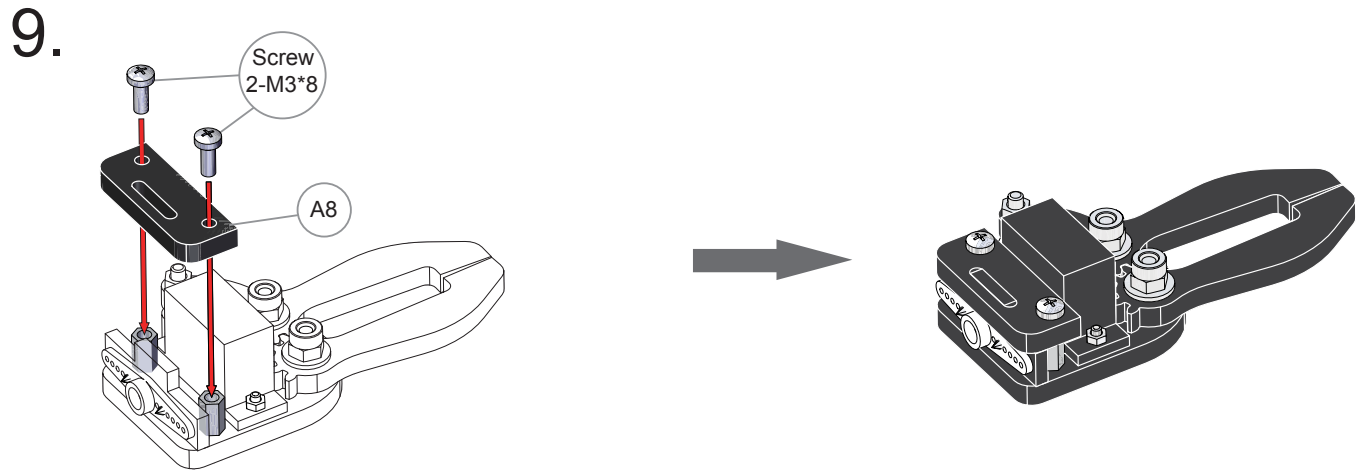
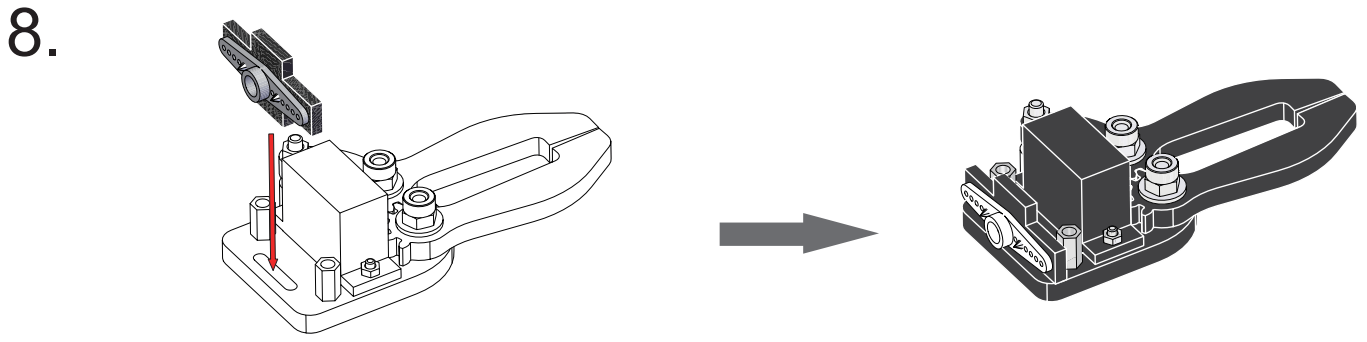
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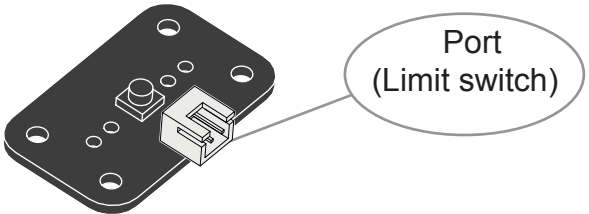
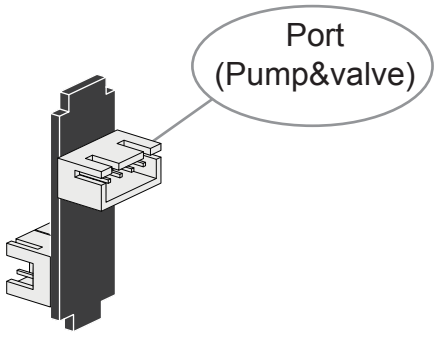
Note that servo motor sports coverage during assembly.







Wiring diagram



uArm Shield

