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# LeArm Robotic Arm Assembly

## 1. Product list

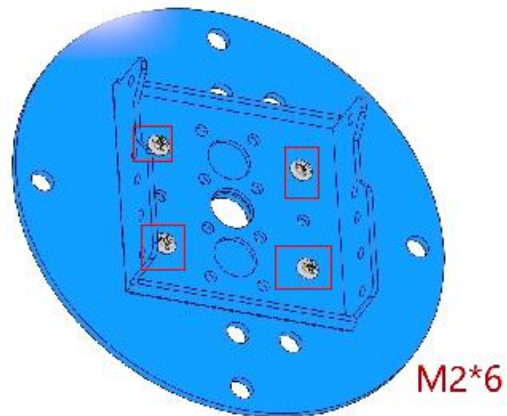
 Long U-shaped bracket	3pcs	 Side cover bracket	1pcs	 Small U-shaped bracket	1pcs	 Multifunctional Bracket	2pcs
 Rotational station	A Set	 Bearing	1pcs	 Power Adapter	1pcs	 Large bottom plate	1pcs
 Clamper	1pcs	 LDX-218 digital servo	2pcs	 LFD-06 digital servo	2pcs	 LD-1501 MG digital servo	1pcs
 Wireless handle and handle receiver	A Set	 Controller	1pcs	 Winding tube	Several	 Screwdriver	1pcs

 M4*40 Copper Column 4pcs	 M4*8 Copper Column 4pcs	 M3*8 Nylon Column 10pcs	 M4*35 Screw 5pcs	 Small Bearing 1pcs	 M4 Screw Nut 20pcs	 M3 Screw Nut 10pcs	 M2 Screw Nut 10pcs
	 M4*15 Copper Column 4pcs	 M3*15 Nylon Column 4pcs		 M4*20 Screw 5pcs	 M4*8 Screw 12pcs	 M3*10 Screw 1pcs	 M3*8 Screw 10pcs
				 M3*6 Screw 20pcs	 M2*6 Screw 10pcs	 M2*5 Screw 35pcs	

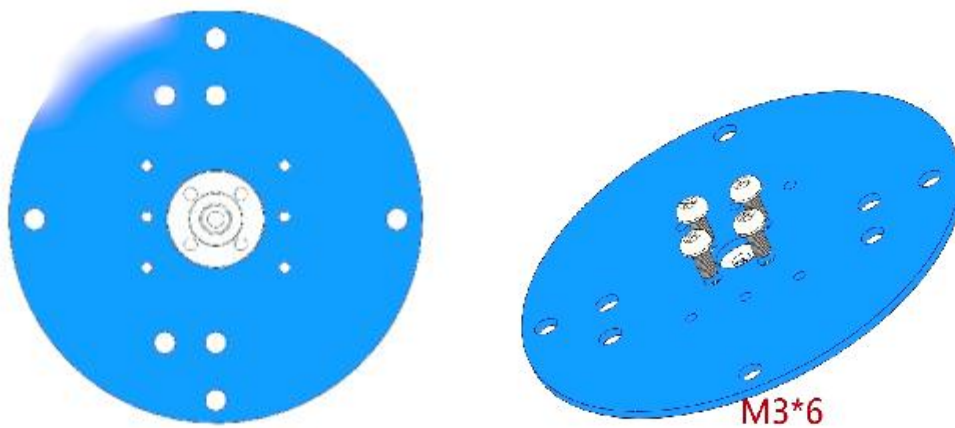
## 2. Assembly

### (1) Rotational station

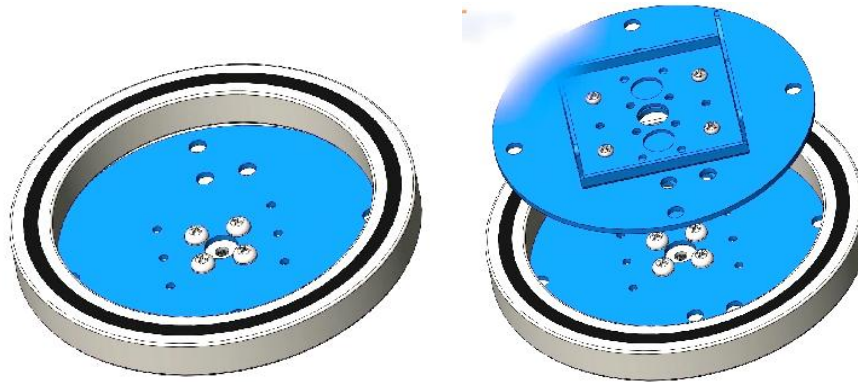
Side bracket\*1/rotational station\*1/M2\*6 machine screw\*4/M2 nut\*4



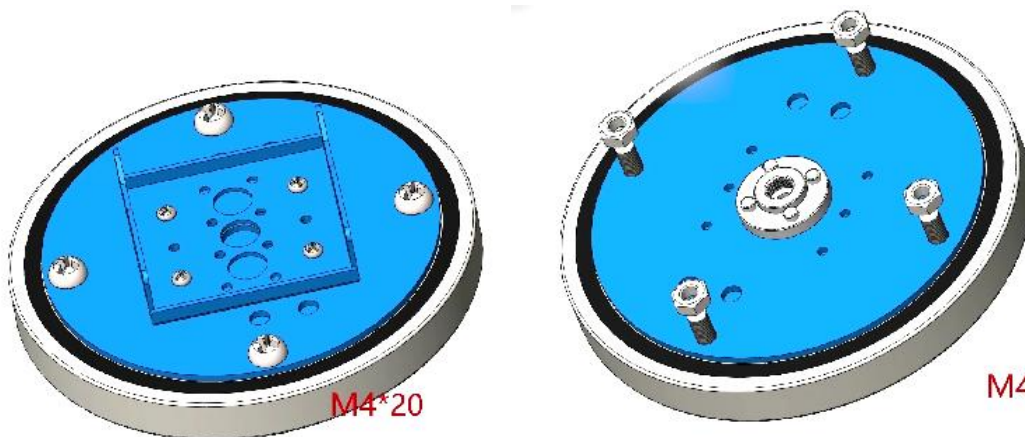
rotational station\*1/Metal servo horn\*1/M3\*6 machine screw\*4



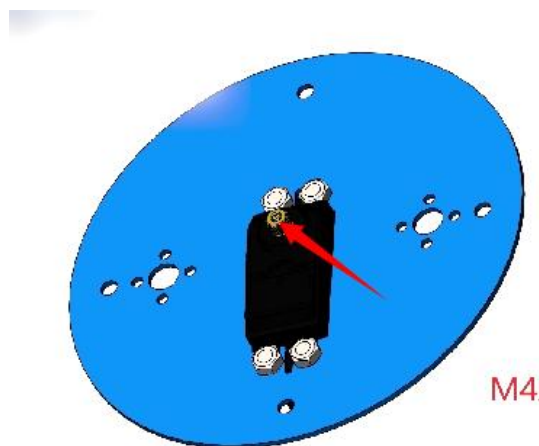
Please place above rotation stations on both sides of the bearing, as shown in the figure:



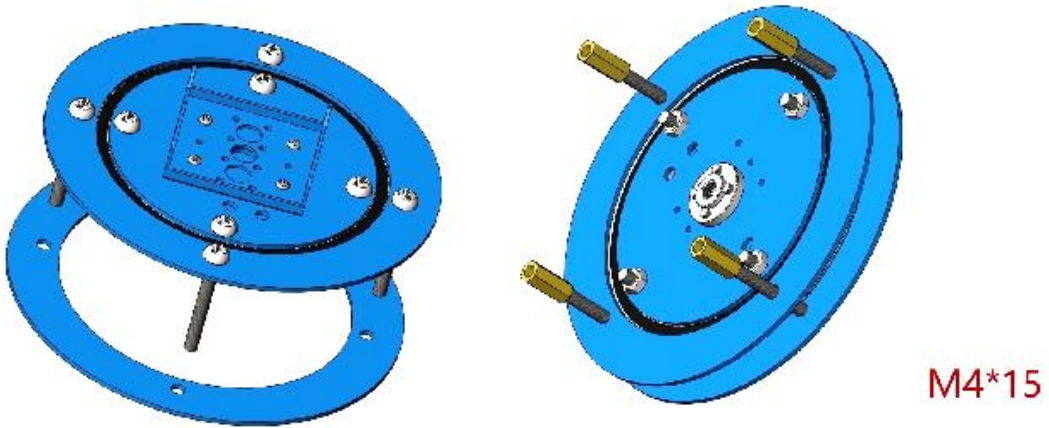
Bearing\*1/M4\*20 machine screw\*4/M4 nut\*4



LD-1501 Servo\*1/M4\*8 machine screw\*4/M4 nut\*4



Place two rings on the both sides of station, as shown in the figure:  
(ring\*2/M4\*35 machine screw\*4/M4\*15 copper pillar\*4)

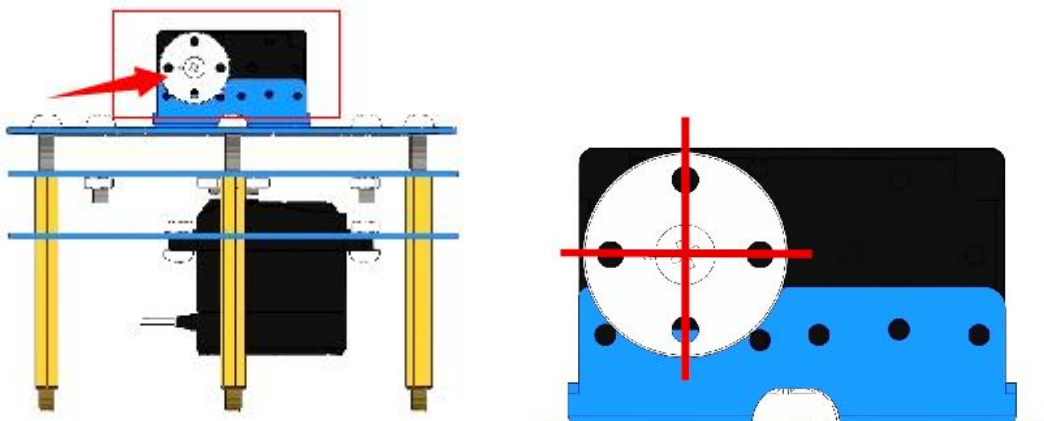


As shown in the picture to assemble the two parts, and then fix them with M4\*40 copper pillar. And install M3\*6 machine screws. (M4\*40 copper pillar\*4/ M3\*6 machine screw\*1 )



(2)LDX-218 Servo

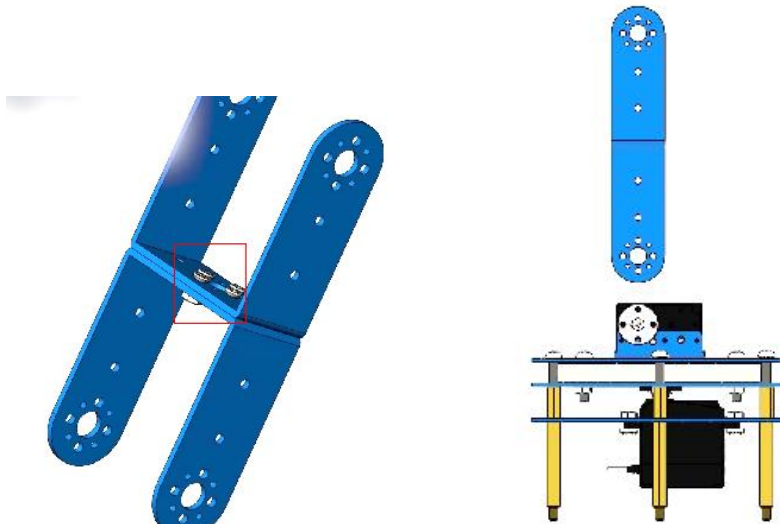
Main servo horn direction:



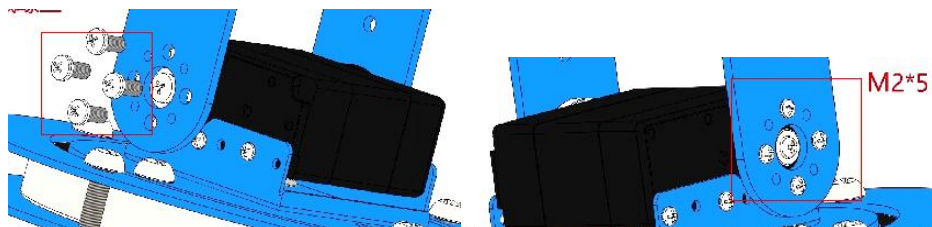
Main servo horn(M2\*5 Self-tapping screws\*2)  
Auxiliary servo horn(M2\*5 Self-tapping screws\*3)



(3)Bracket  
(Long U-shaped bracket\*2/ M3\*8 flat head screw\*4/ M3 nut\*4)

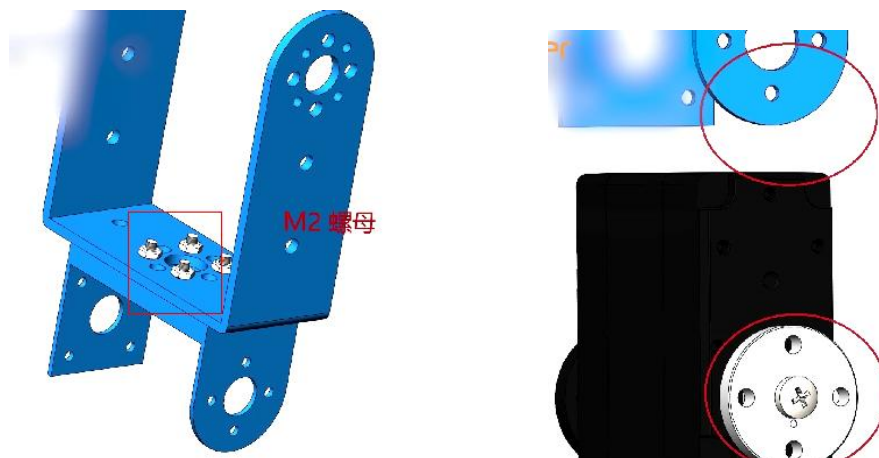


Main servo horn(M3\*6 machine screw\*4)  
Auxiliary servo horn(M2\*5 Self-tapping screws\*4 )



(Long U-shaped bracket\*1/ small U-shaped bracket\*1/ M2\*6 machine screw\*4/  
M2 nut\*4)

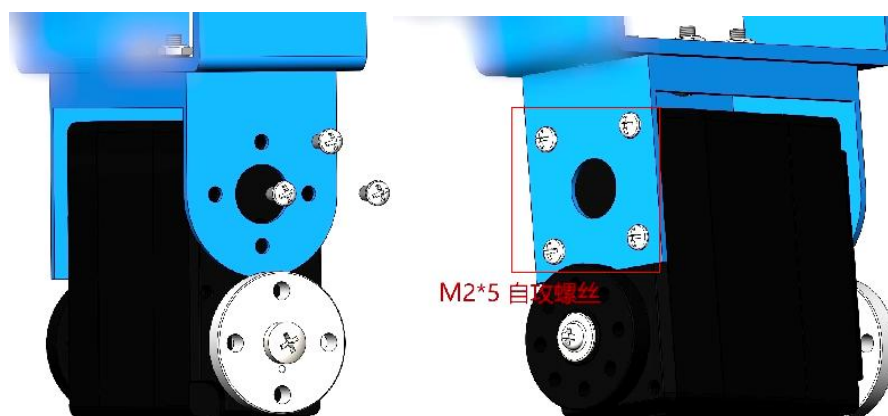
Please note that the installation direction

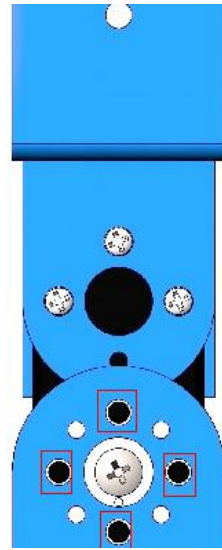
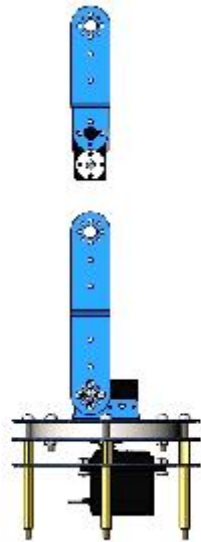


(4)LDX-218MG

Main servo horn(M2\*5 Self-tapping screws\*3)

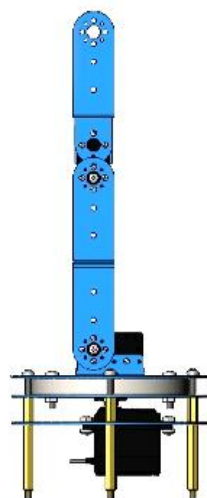
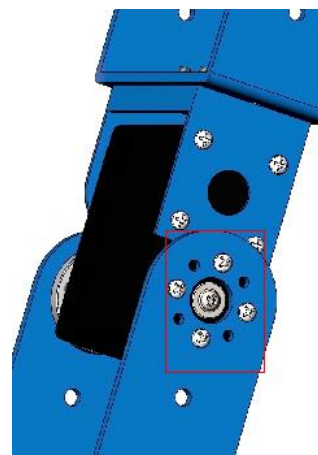
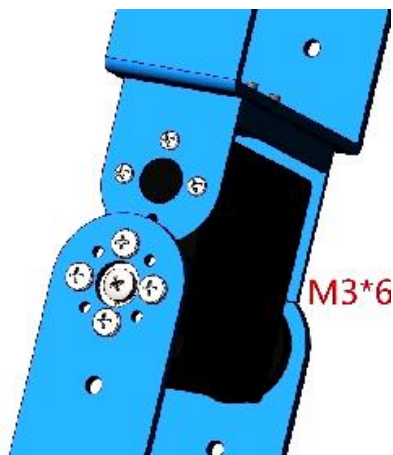
Auxiliary servo horn(M2\*5 Self-tapping screws\*4 )





Main servo horn(M3\*6 machine screw\*4)

Auxiliary servo horn(M2\*5 Self-tapping screws\*4 )

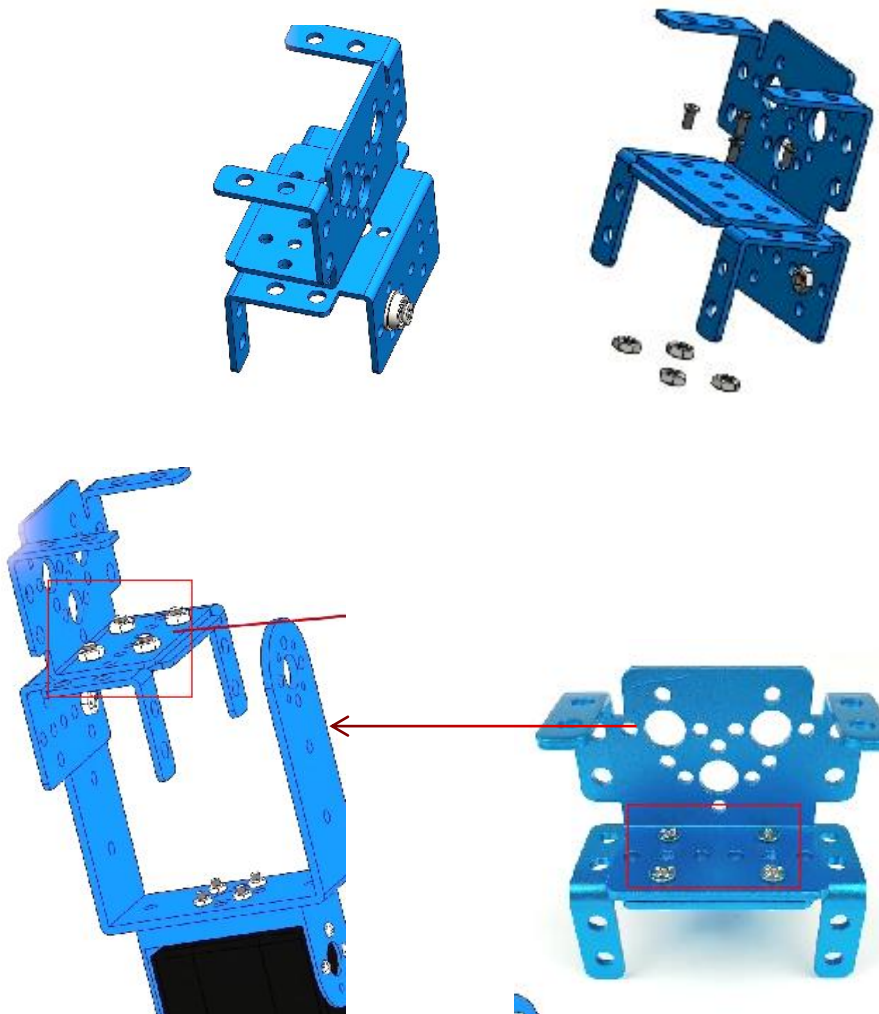




Multifunction bracket\*1/ M3\*10 flat head screw\*1/ small bearing\*1/ M3 nut\*1



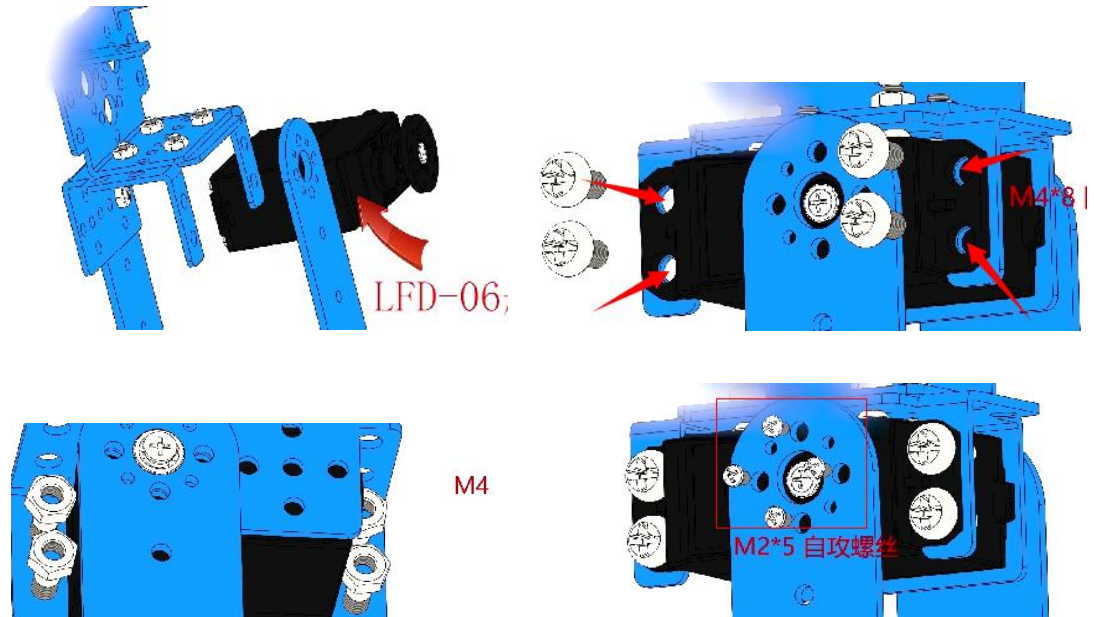
Multifunction bracket\*1/ M3\*8 flat head screw\*4/ M3 nut\*4



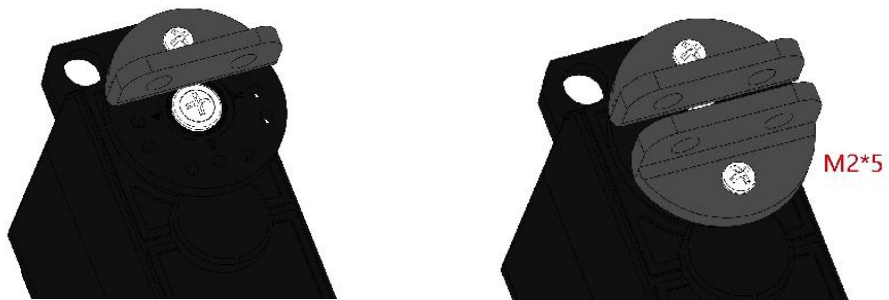
(Please note that the installation direction)

(5)LFD-06 servo

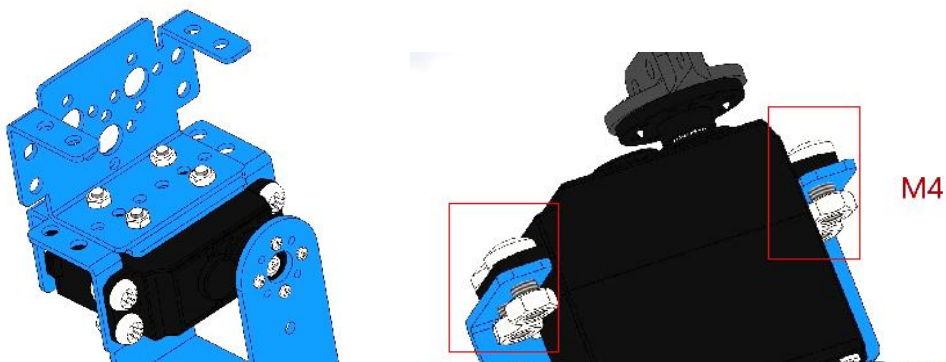
(M3\*6 machine screw\*4/ M4 nut\*4/ M2\*5 Self-tapping screws\*4)



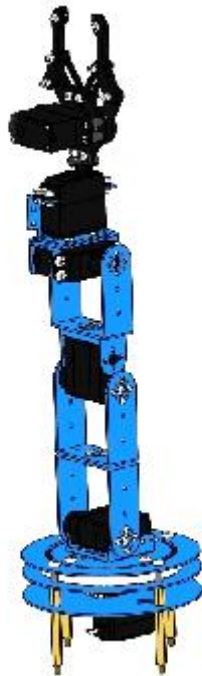
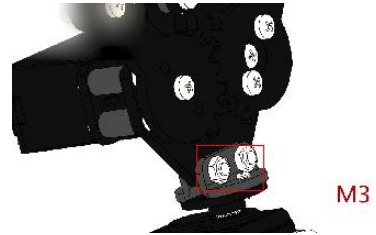
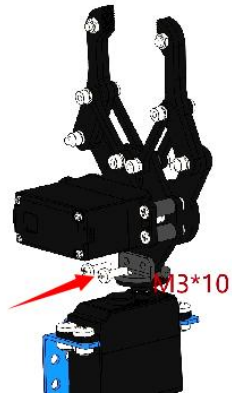
M2\*5 Self-tapping screws\*2



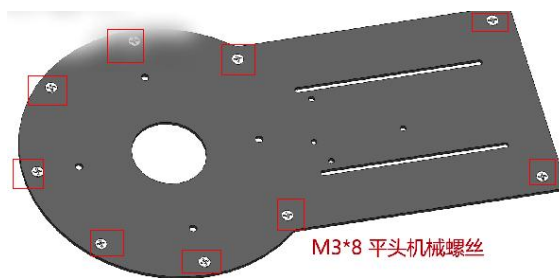
(M4\*8 flat head screw\*4/ M4 nut\*4)



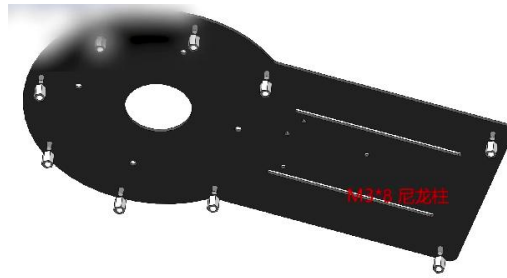
(M3\*10 machine screw\*2/ M3 nut\*2)



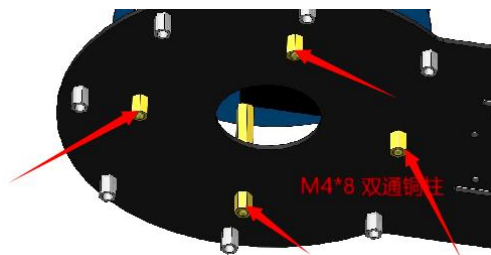
(6) Metal plate  
(M3\*8 flat head screw\*9)



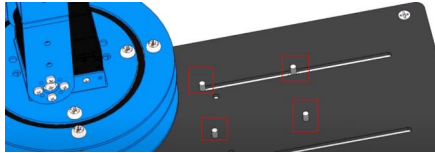
(M3\*8 Nylon column\*9)



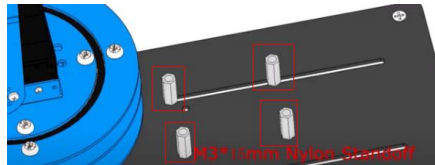
(M4\*8 Copper pillar\*4/ )



(7)Controller



(M4\*8 Copper pillar\*4/ )



Controller/ M3\*6 machine screw\*4

