

7 DOF Big Robot arm Assembly instructions

List:



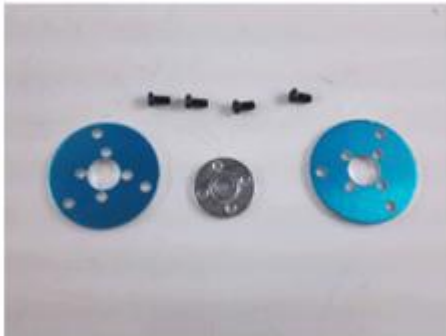
This set is 6-7 DOF robot arm. The blue plastic film can be removed. Please follow the installation steps. The steering gear (which will be mentioned in the following steps) needs to be adjusted before Installing the steering gear.

1. Robot arm base installation

The components



Fix the steering gear horn with black screws



here is the effect



Get the large bearing and 25mm hexagon screws



Put the steering gear horn on the bearing .(the gear side of steering gear horn upward)



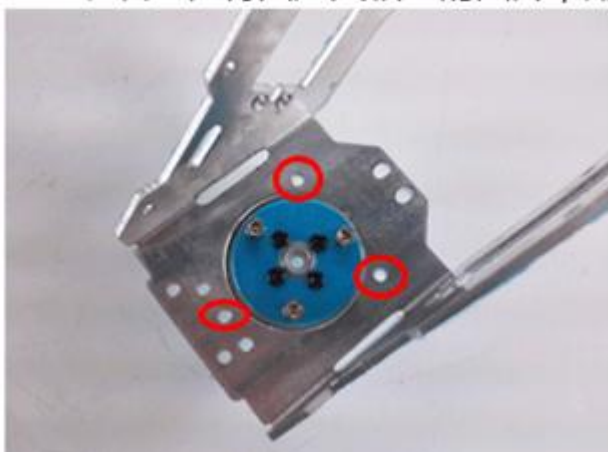
Twist the screw through the holes. Reverse the bearing and place another round disc on it and fix it.



Then get these components.

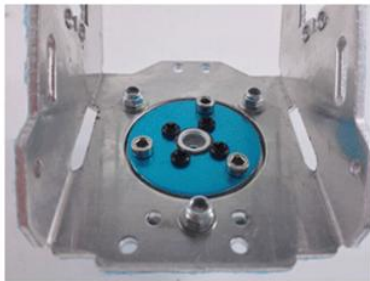


Define the hole location, fix the part

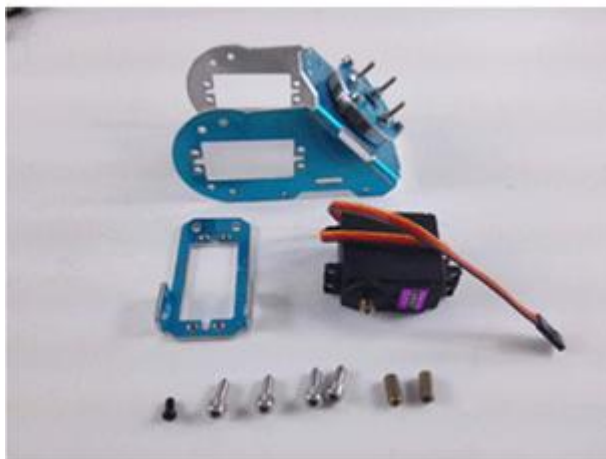




Note: when fixed, firstly fixed the screws and nuts and then tighten(Never use brute force)



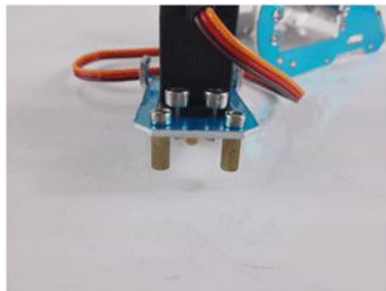
Install the steering gear for this base.



Use M4*10cm screws to fixed steering gear



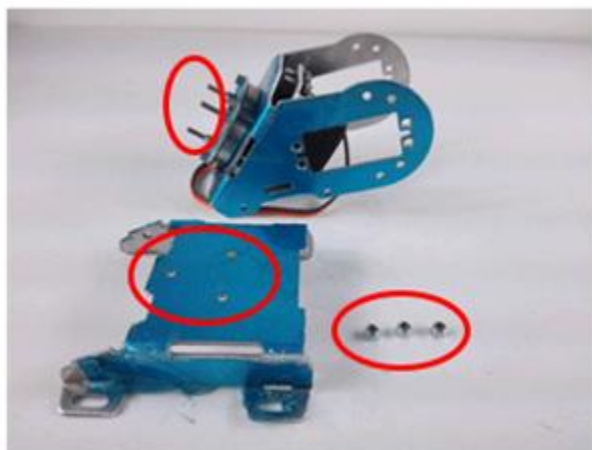
Use M3*6mm screws to fixed couplings,



Align coupling with hole, fixed it on the back, and then use the black screws to fixed the steering gear with steering gear horn.



Fixed the based in the chassis. Finised the base installation.



Pls remove the protective film when install.



2.Installation of Arm

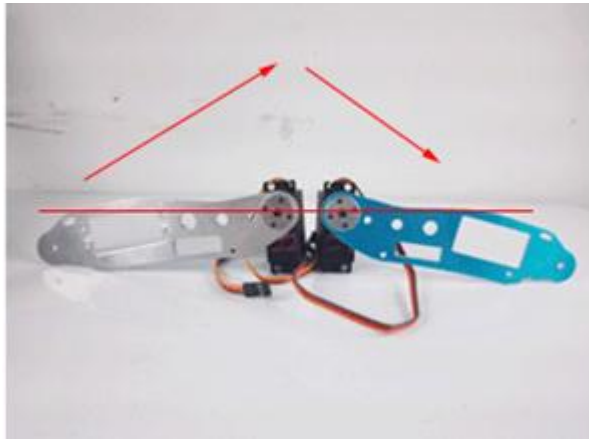
Materials:



Fixed the steering gear horn



Adjust the running track of the steering gear when fixed

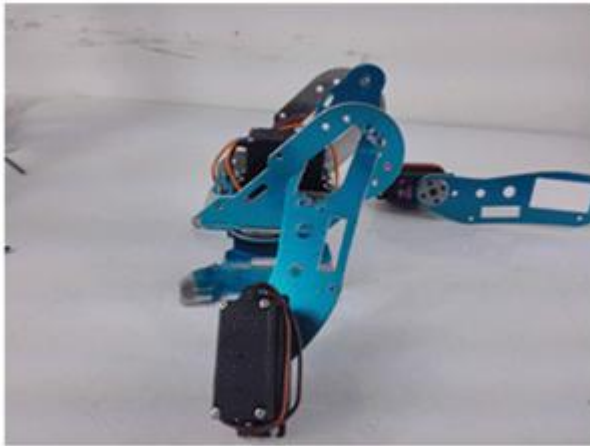


Ensure that the parts which fixed in the steering gear horn can fixed in the steering gear. The steering gear can run 180 degree as the picture showed.

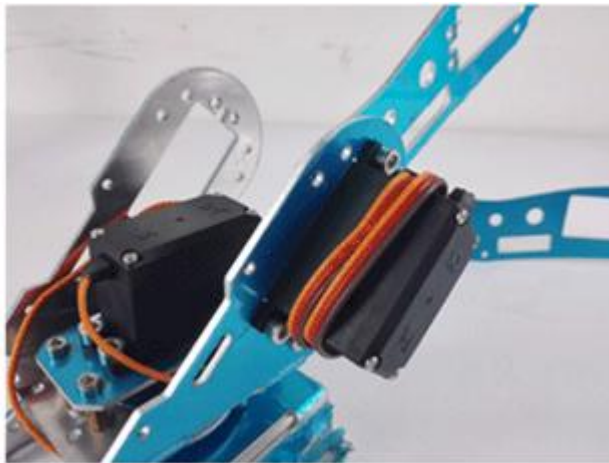


Ajust all the direction, and fixed it on the base parts.

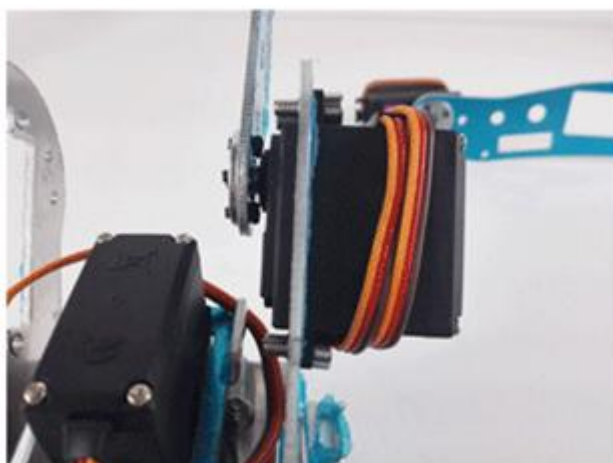




After pass thought it, fixed the steering gear



Recognize the direction as the picture showed



Pls be patience when install the robot arm



After finishing install it



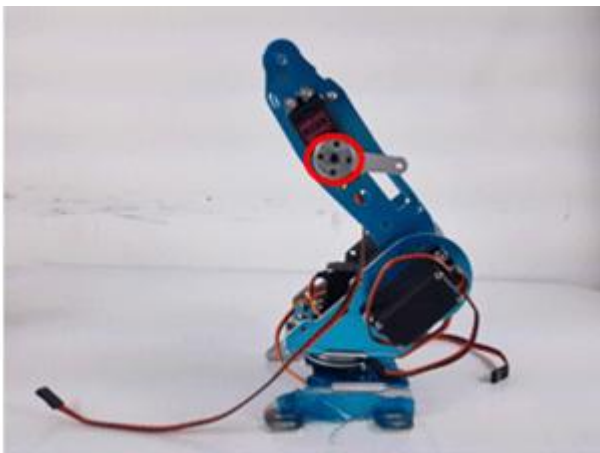
Use M4*10 screws and nuts to fixed



Fixed the steering gear and small parts



Ajust the running track of the steering gear





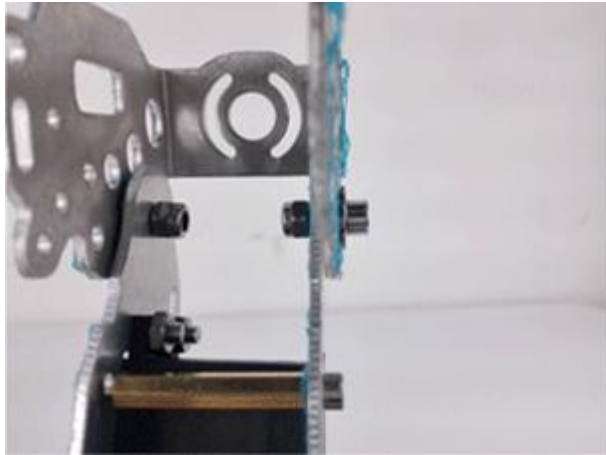
The parts which fixed the robot arm(before and after arm)



Fixed the big bearing on this part



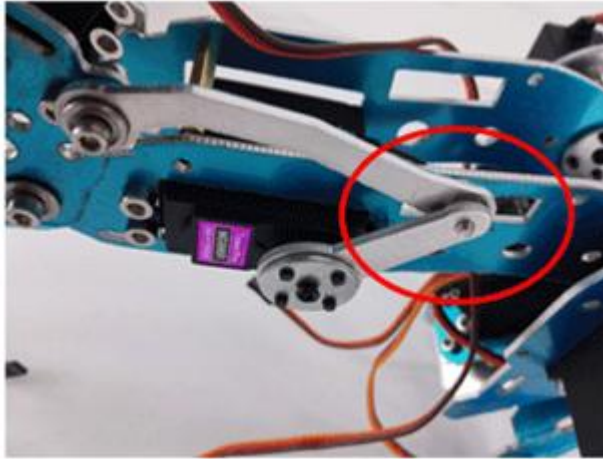
Use M4*10 screws and nut to fixed this part



Get another parts, install the bearing and screws



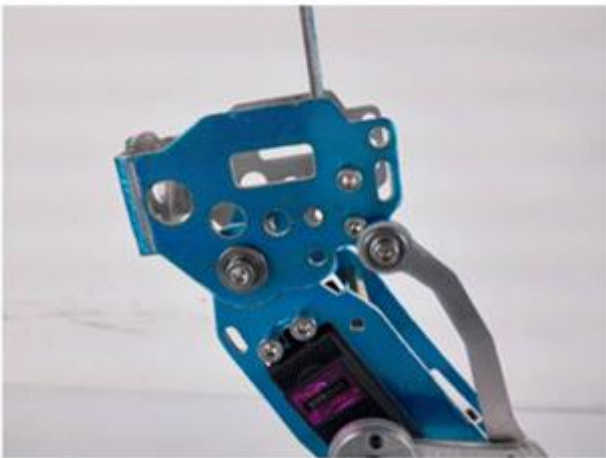
Use the short screw end to fixed the parts which connect the steering gear



Use long screw end to fixed on the connection, lock it with M3 nut



Fixed it with M3 screw and nut



Get these parts



Use black screws to fixed the couplings

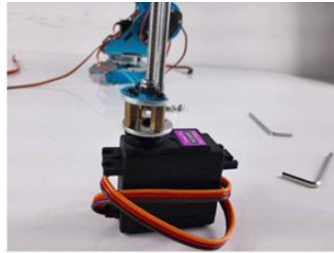
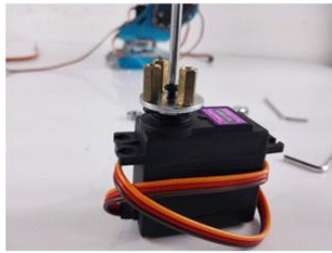
先使用黑色螺丝固定铜柱,固定3个
铜柱即可



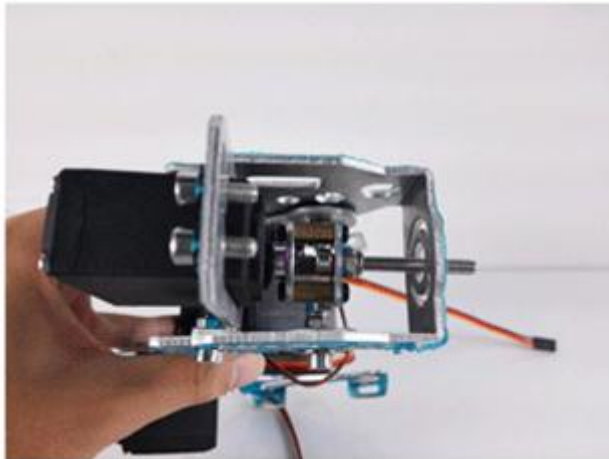
Pass through the half circle piece with long screw. And use fastening nut
to fixed it.



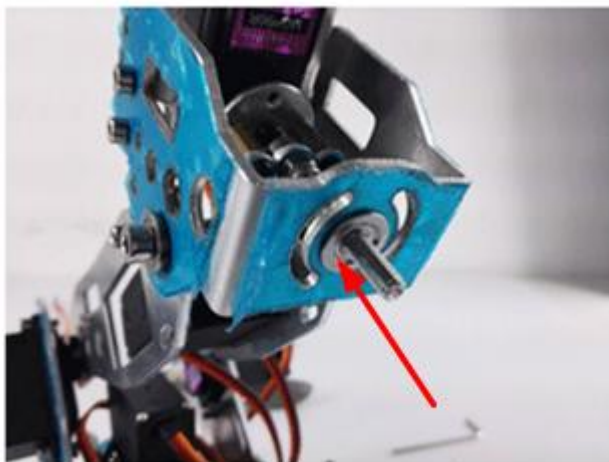
Use the black screws to fixed the steering gear with half circle part.



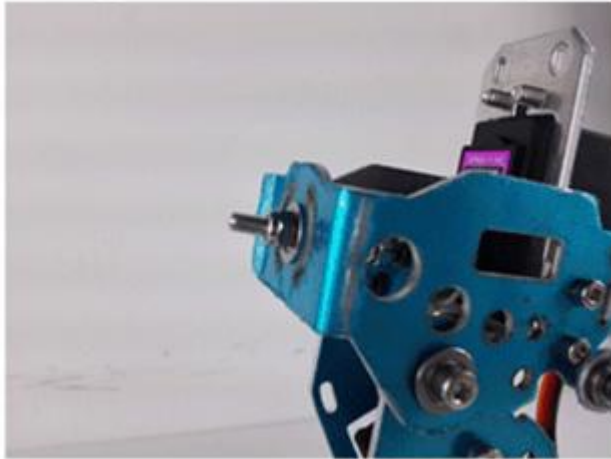
And fixed it on that part



Fixed the M4 screw, and install the bearing.



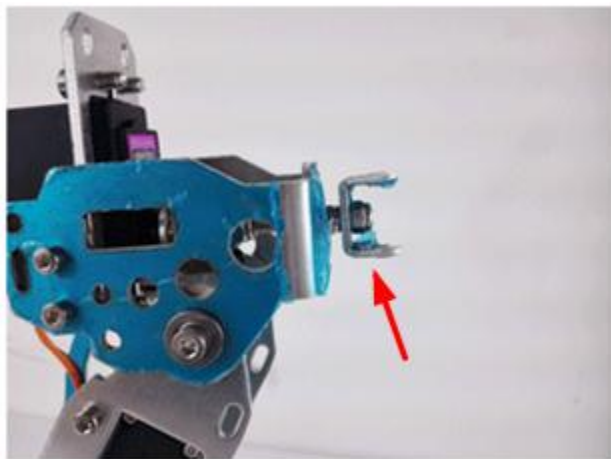
Lock with nut,



Get these parts,



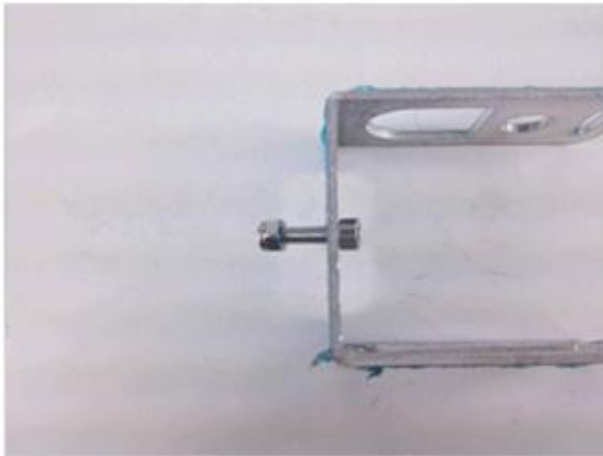
Fixed one part with M4 screws, get the round tube to align the hole, and fixed it with M4 screws.



Get these parts

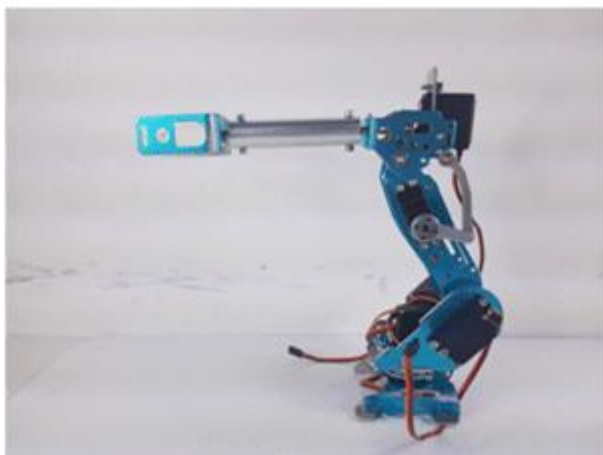


Fixed it with M4*16 screws and nut



Fixed one U shade part. Lock it with nut, and connect to the round tube,
lock with M4 screws.





Fixed the steering gear



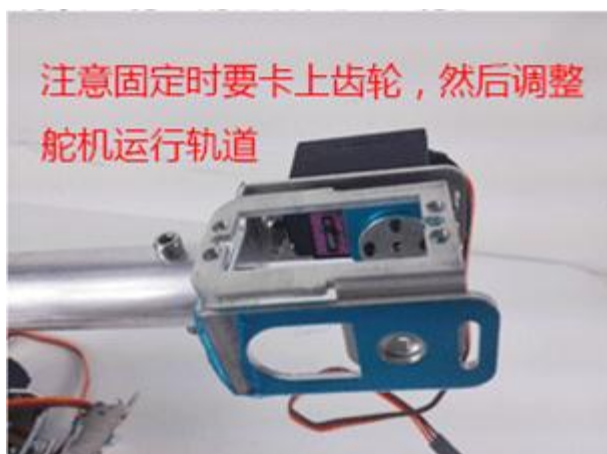
Install the steering gear horn



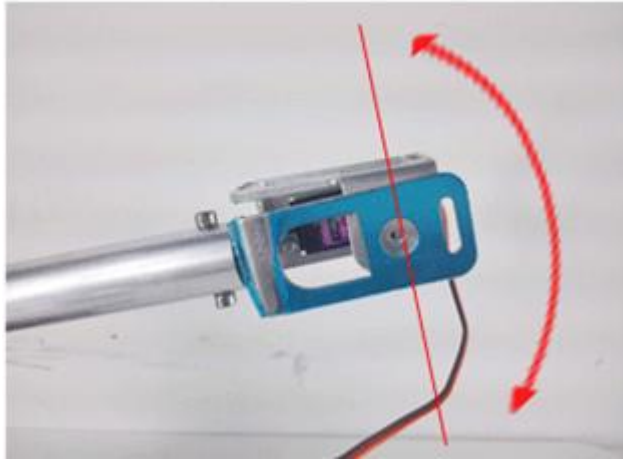
Fixed with black screws, Note: The steering gear has a toothed side facing outward.



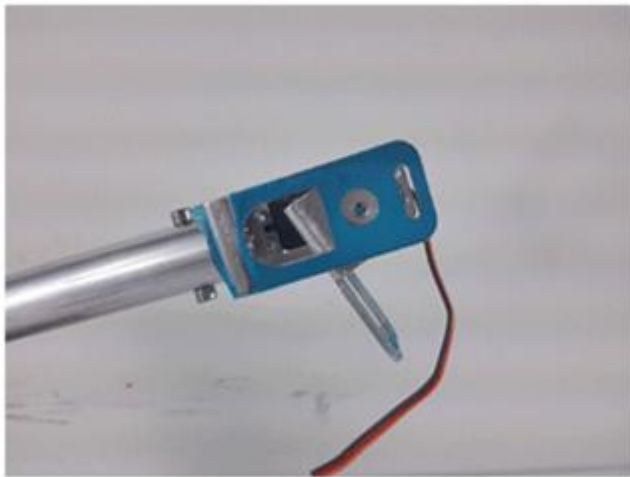
Fixed it on this part



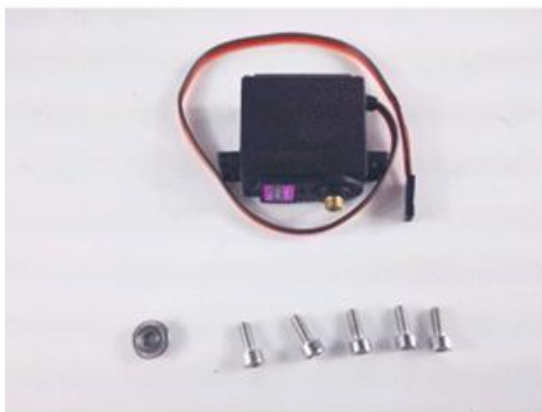
The upward direction when this part connect steering gear.



The toward direction when this part connect steering gear.



Install the finial steering gear



Finished!!

