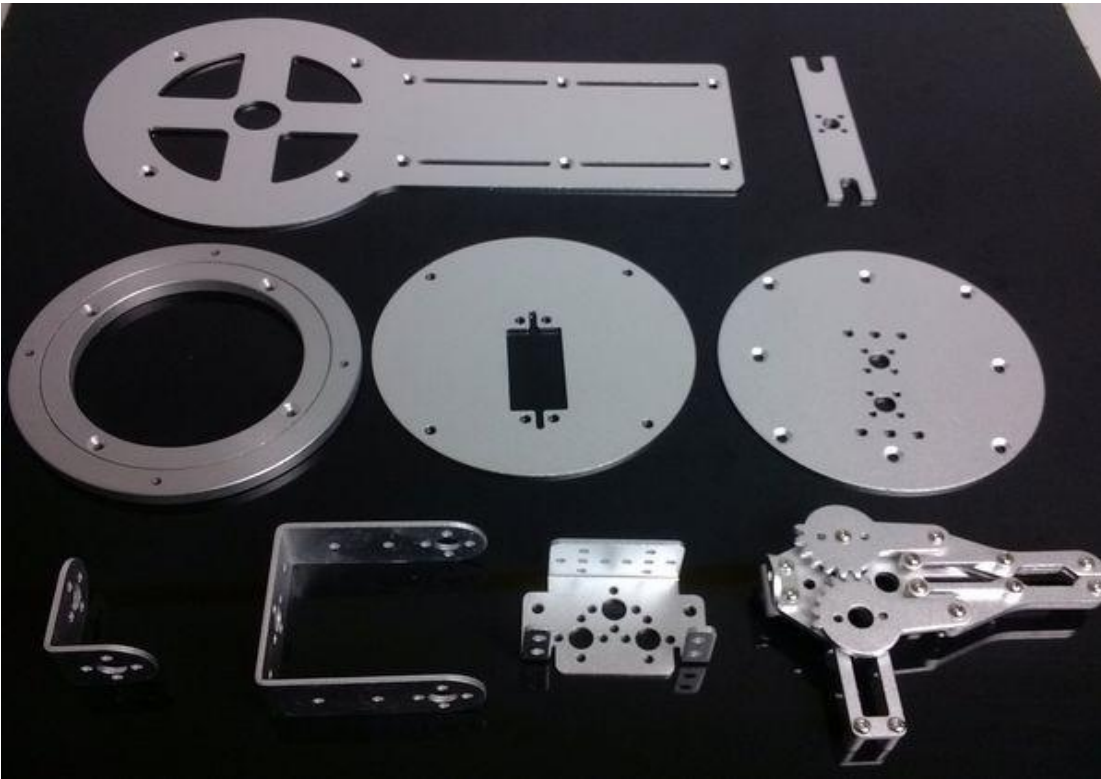


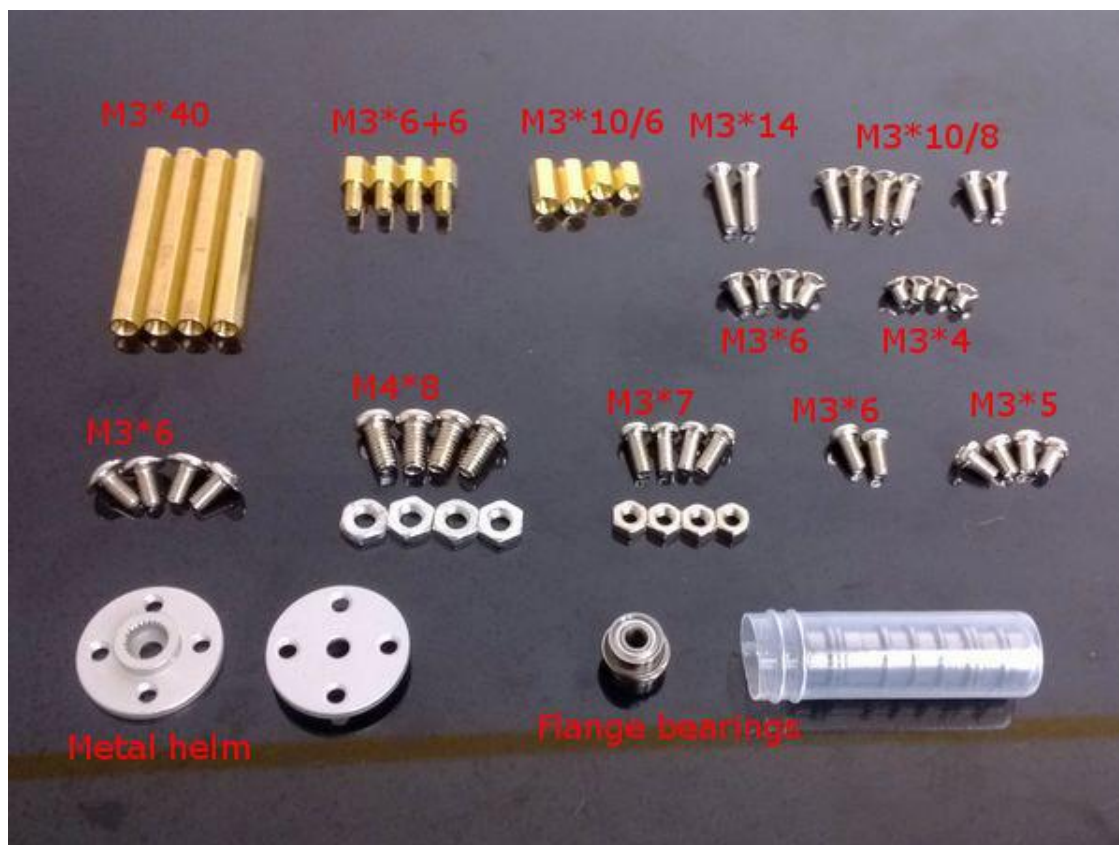
6-DOF installation instructions

Package list:



- 4 x Multi-functional bracket
- 3 x Long U shape bracket
- 1 x Mechanical claw (color and shape may not the same)
- 1 x L shape bracket
- 3 x Rotative holder
- 1 x I shape bracket
- 5 x Cup bearing
- 1 x Base
- 4 pack Screw nut

Screws:



- (a) M3*40 Pillars: 4 pcs
- (b) M3*6+6 Pillars: 4 pcs
- (c) M3*10 Pillars: 2 pcs
- (d) M3*6 Pillars: 2 pcs
- (e) M3*14 nut: 2 pcs
- (f) M3*10 nut: 6 pcs
- (g) M3*8 nut: 2 pcs
- (h) M3*6 nut: 4 pcs
- (i) M3*4 nut: 4 pcs
- (j) M3*6 nut: 4 pcs
- (k) M4*8 nut: 24 pcs
- (l) M4 Screw nut: 24 pcs
- (m) M3*10 nut: 3 pcs
- (n) M3*7 nut: 12pcs
- (o) M3*6 nut: 8 pcs
- (p) M3*5 nut: 18 pcs
- (q) M3 Screw nut: 15 pcs

You may need to use these tools:

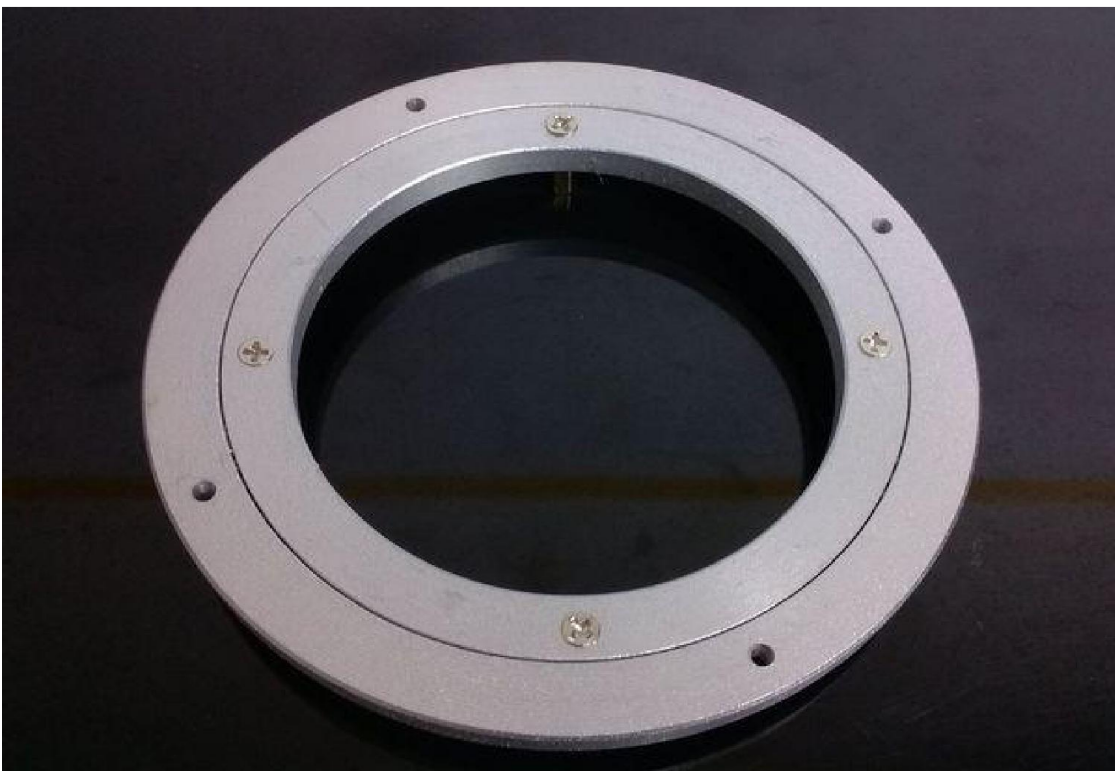
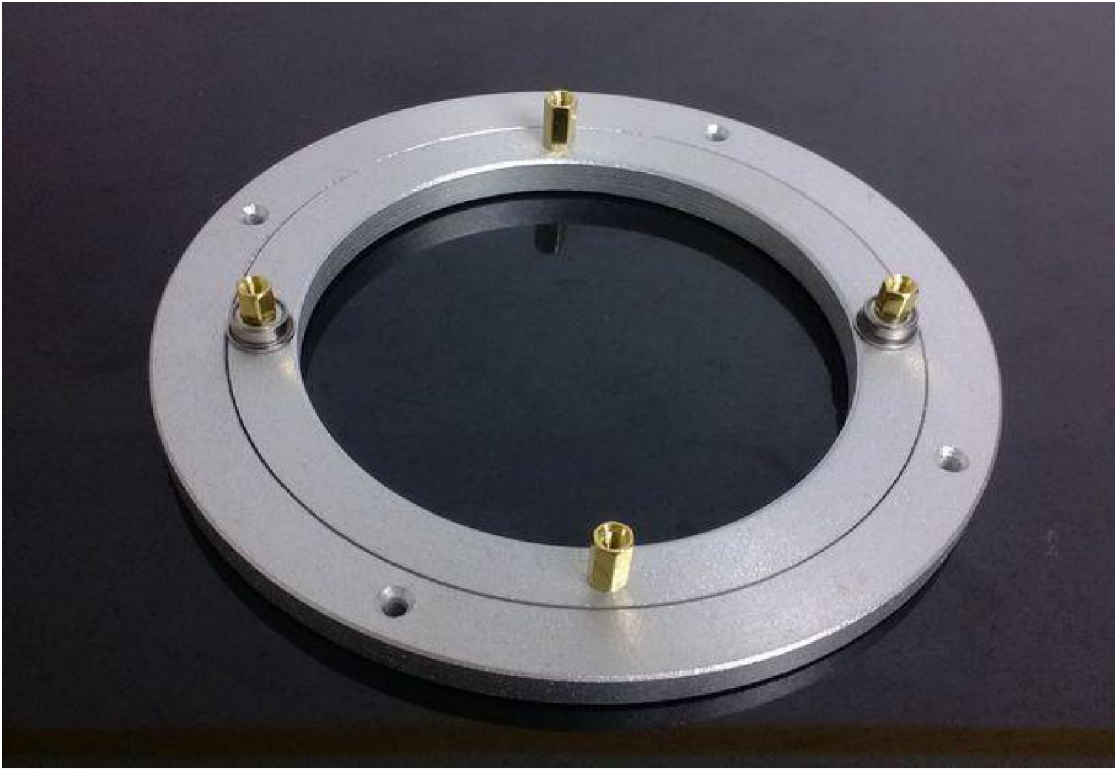


1. Installation:

Step 1) Install large disc bearing structure

- 1 * Bearing
- 2 * M3 * 10 double-pass pillars
- 2 * M3 * 6 double pass pillars
- 2 * M3 * 14 screws
- 2 * M3 * 10 screws
- 2 * Flange bearings

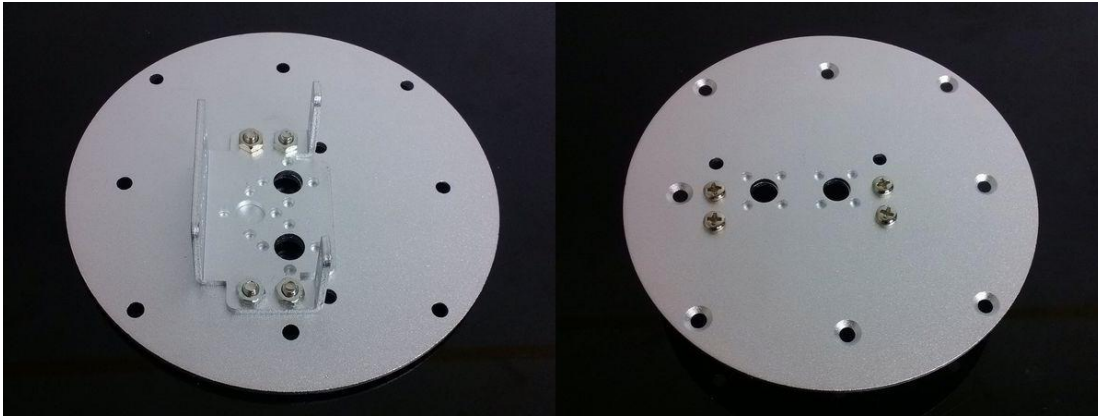
Be installed as shown in FIG.



2) Install the cover disc structure

- 1 * Multi-function bracket
- 1 * Disc UP cover
- 4 * Round M4 * 6 screws
- 4 * M4 nut

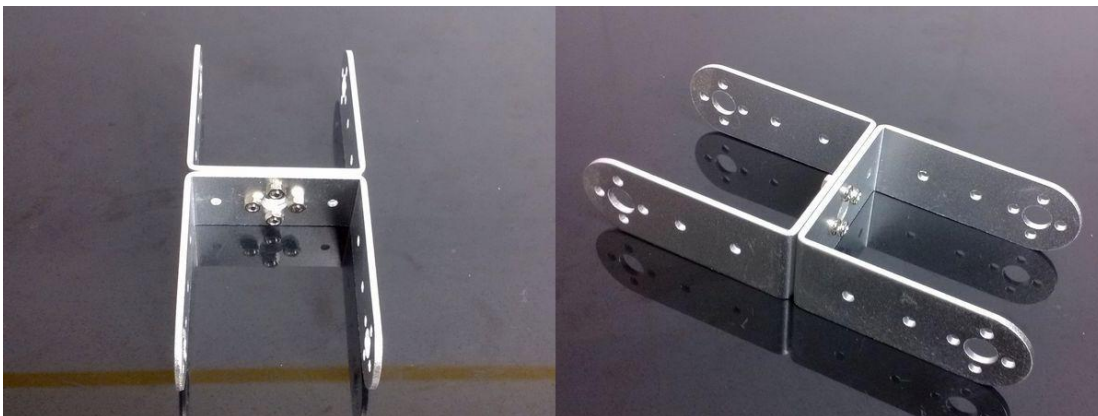
Be installed as shown in FIG.



3) Install the long arm of the robot structure

- 2 * U bracket
- 4 * round M3 * 7 screw
- 4 * M3 nut

The installation shown in FIG.



4) Install mechanical arm structure

1 * Multi-function bracket

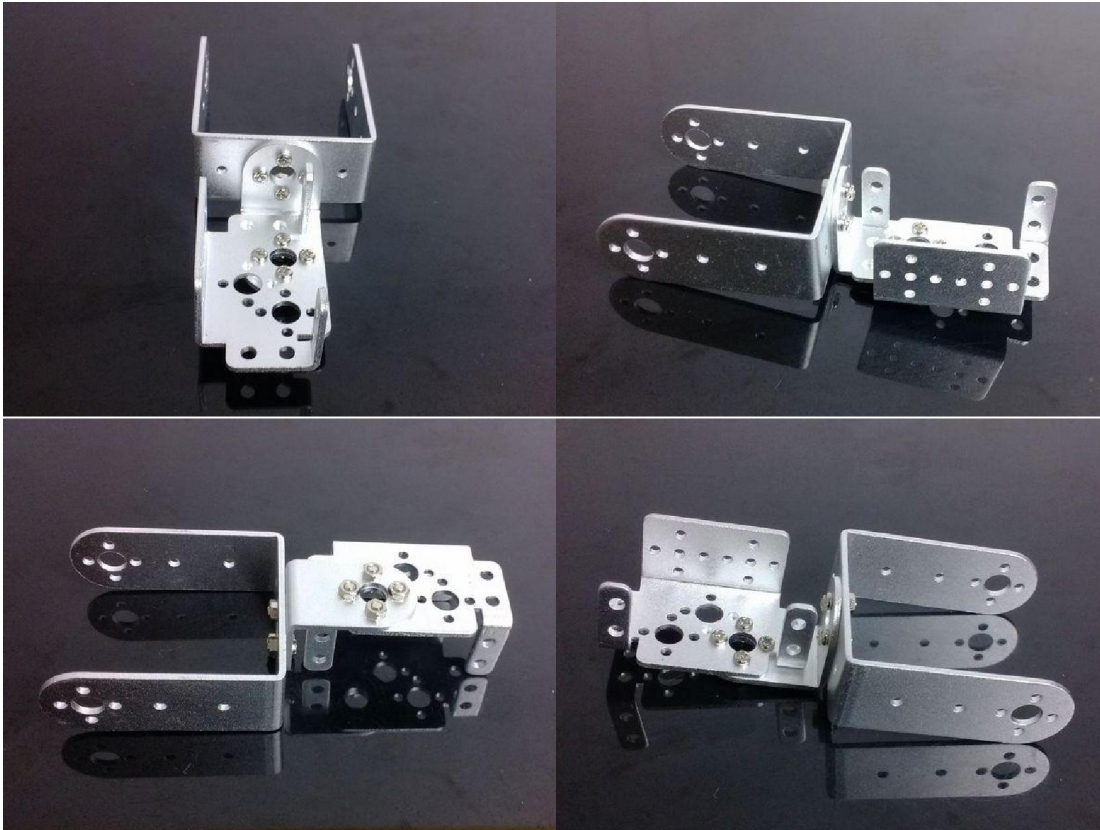
2 * L-shaped bracket

1 * Long U-shaped bracket

8 * Round M3 * 7 screw

8 * M3 nut

Be installed as shown in FIG.



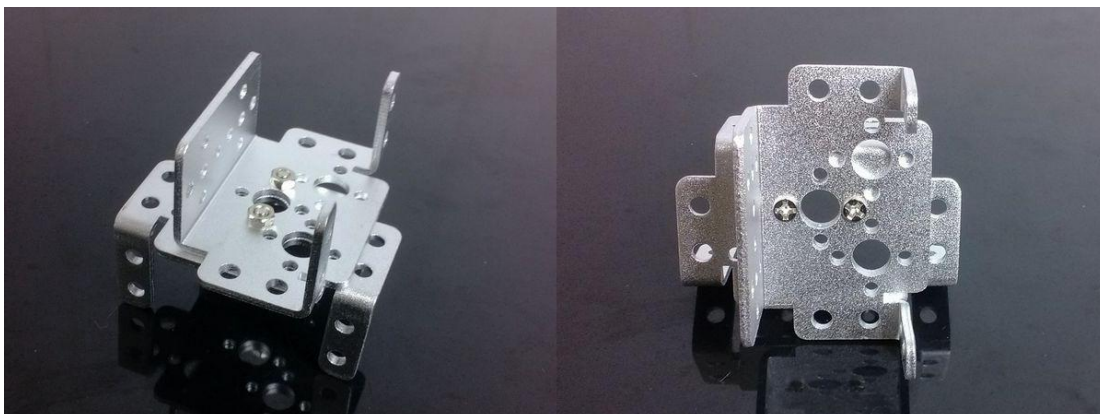
5) Install the manipulator rotational structure

2 * Mufti-function bracket

2 * flat head M3 * 8 screw

2 * M3 nut

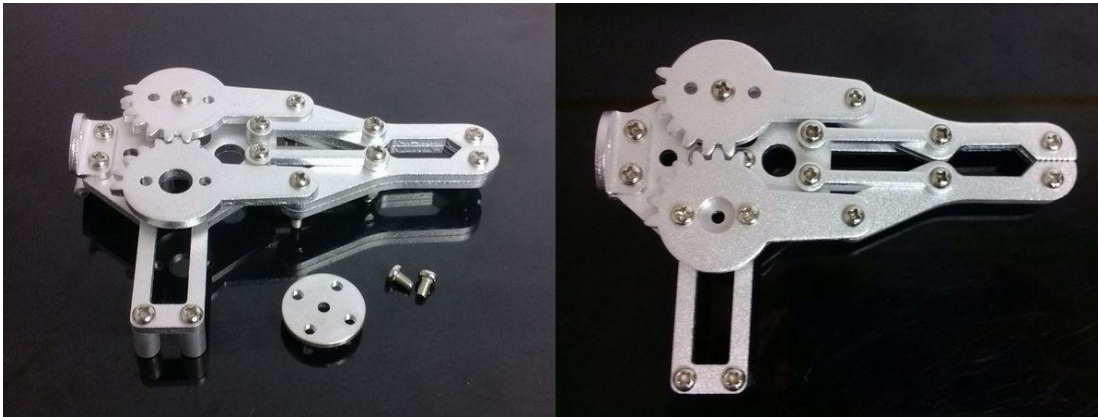
Be installed as shown in FIG.



6) Installation manipulator claws structure

- 1 * Mechanical claws
- 1 * Metal helm
- 2 * Round M3 * 5 screws

Be installed as shown in FIG.



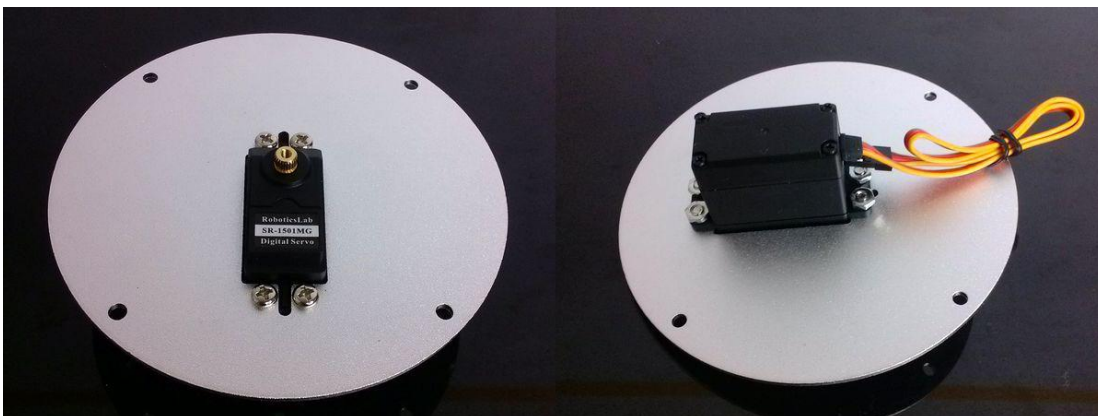
2. Installation of mechanical hand joints - steering gear

All servos factory default is adjusted to the middle position (ie, the maximum range of servo activities), before installing the steering gear, it is best not to rotate the steering gear, if inadvertently rotated the steering gear, need to use PC software or servo tester to adjust to the middle position, servo middle position value is 1500.

1) the installation disc manipulator rotary joints

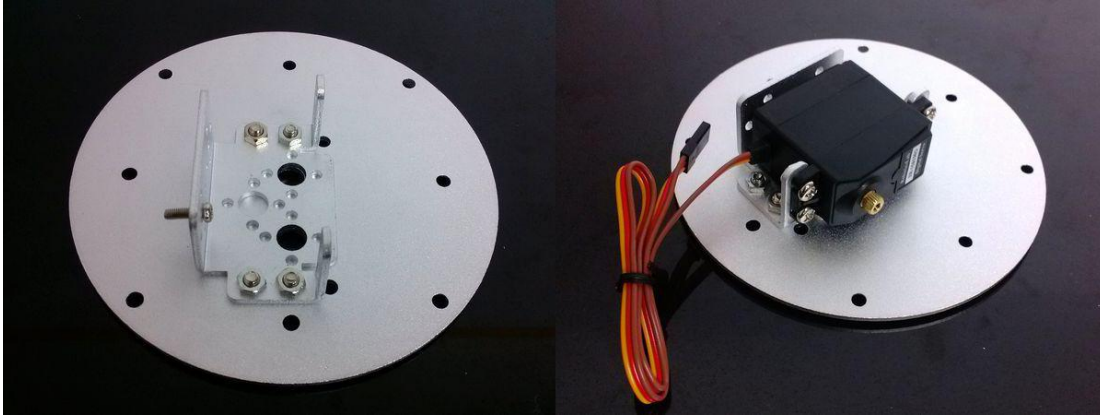
- 1 * Disc's down cover
- 1 * Servo
- 4 * Round M4 * 8 screws
- 4 * M4 nut

Be installed as shown in FIG.



2) Install the long arm joints of the robot

- 1 * Mounted UP cover structure
- 1 * Servo
- 1 * Round M3 * 10 screws
- 4 * Round M4 * 8 screws
- 4 * M4 nut.



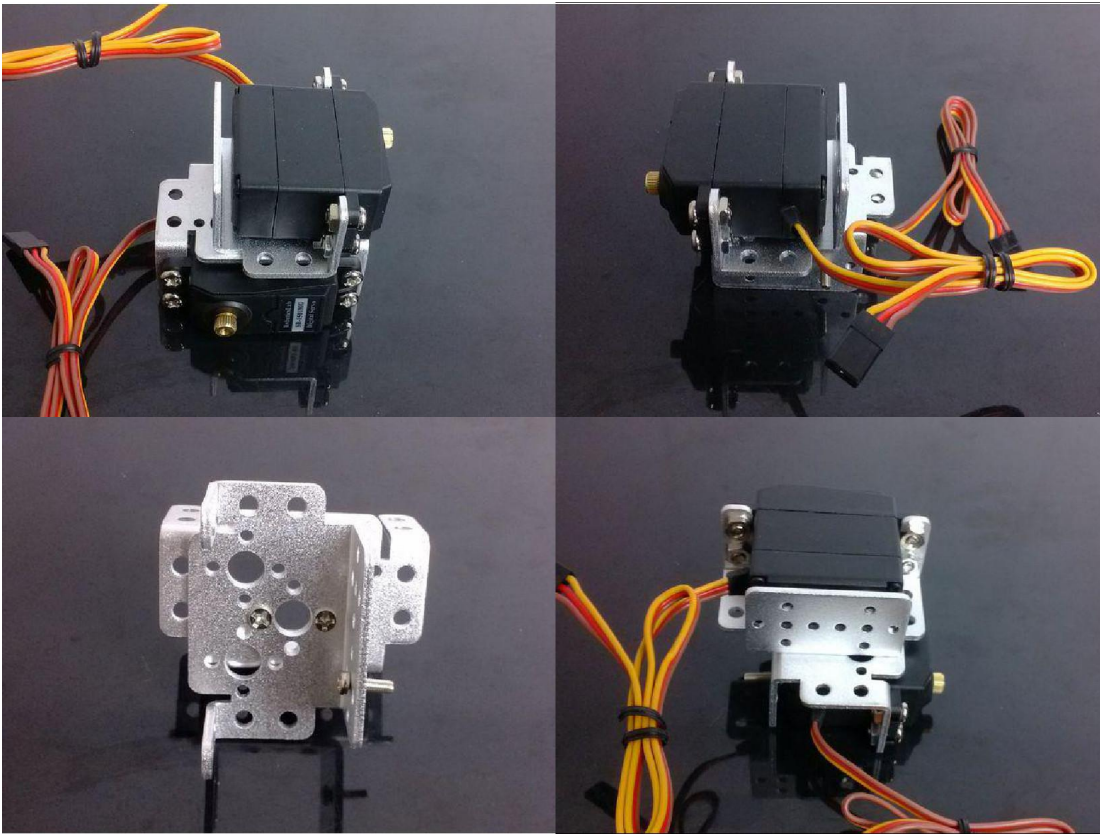
3) Install mechanical short arm joints

- 1 * Mounted short arm structure
- 1 * Servo
- 1 * Round M3 * 10 screws
- 4 * Round M4 * 8 screws
- 4 * M4 nut



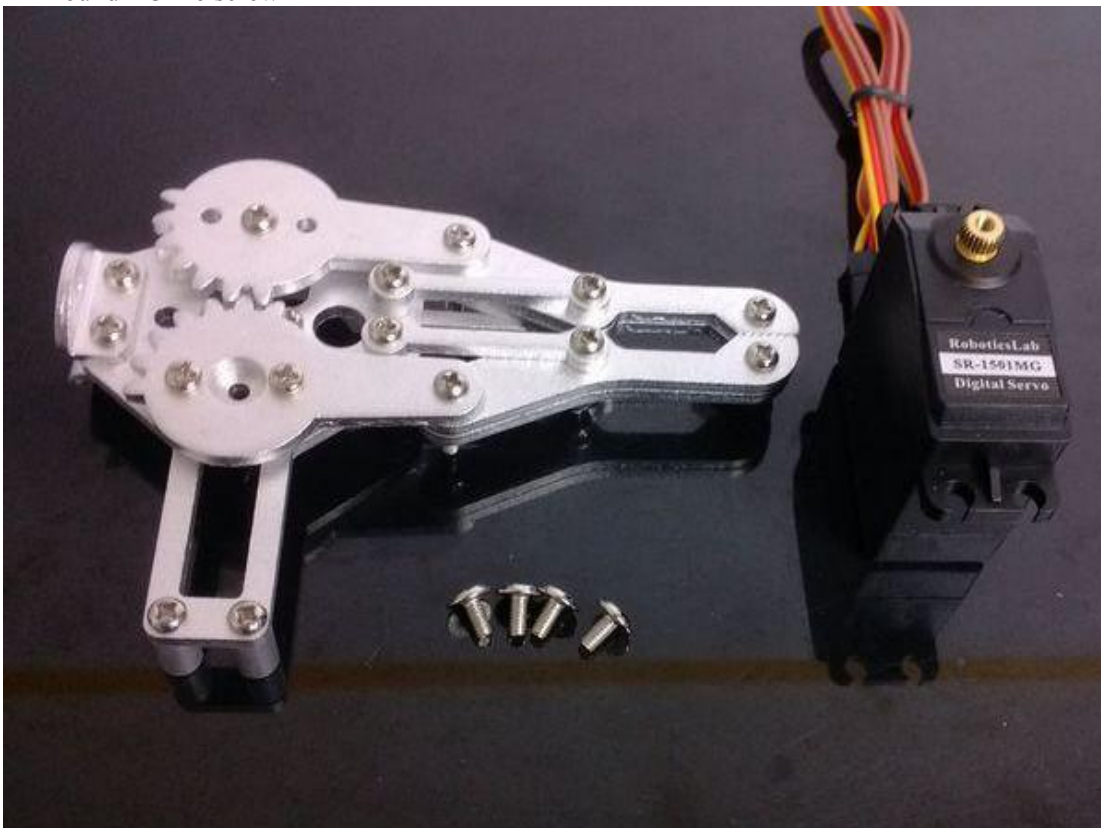
4) Installation manipulator rotary joints

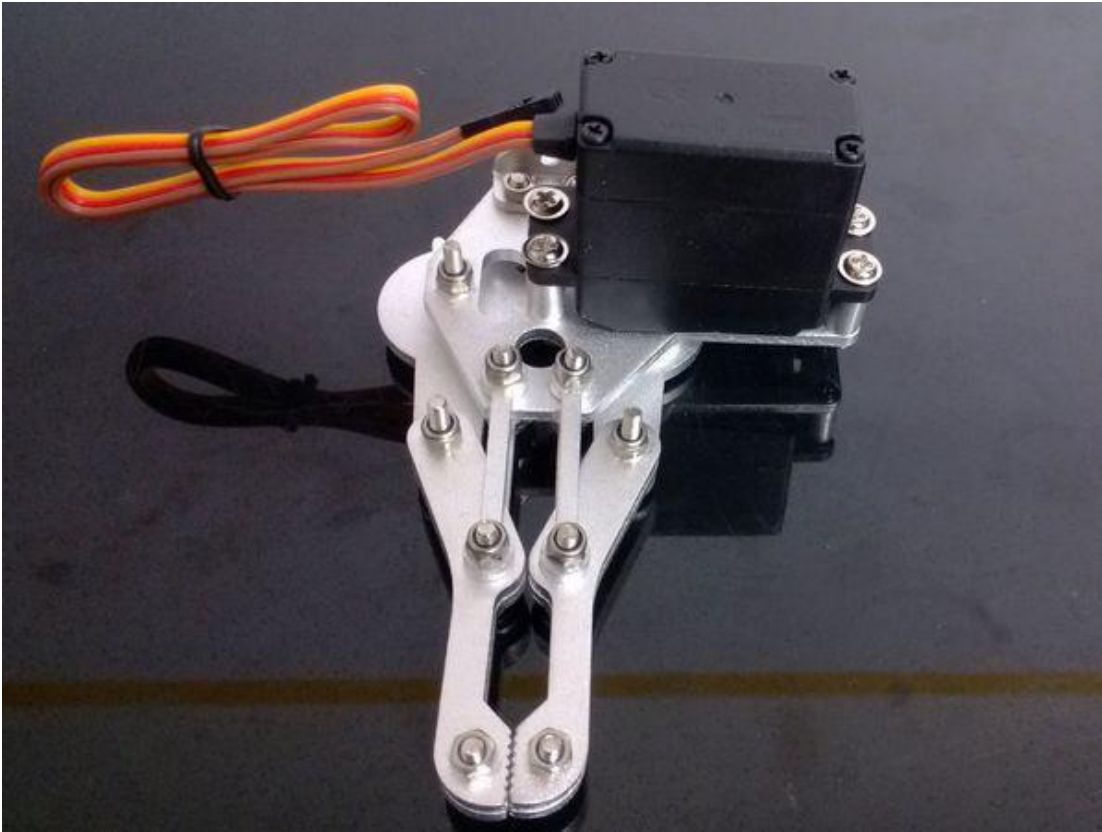
- 1 * Mounted rotating structure
- 2 * Servo
- 1 * Round M3 * 10 screws
- 8 * Round M4 * 8 screws
- 8 * M4 nut



5) Installation claw joint

- 1 * Mounted claw structure
- 1 * Servo
- 4 * M3 * 6 screw
- 1 * Round M3 * 6 screw

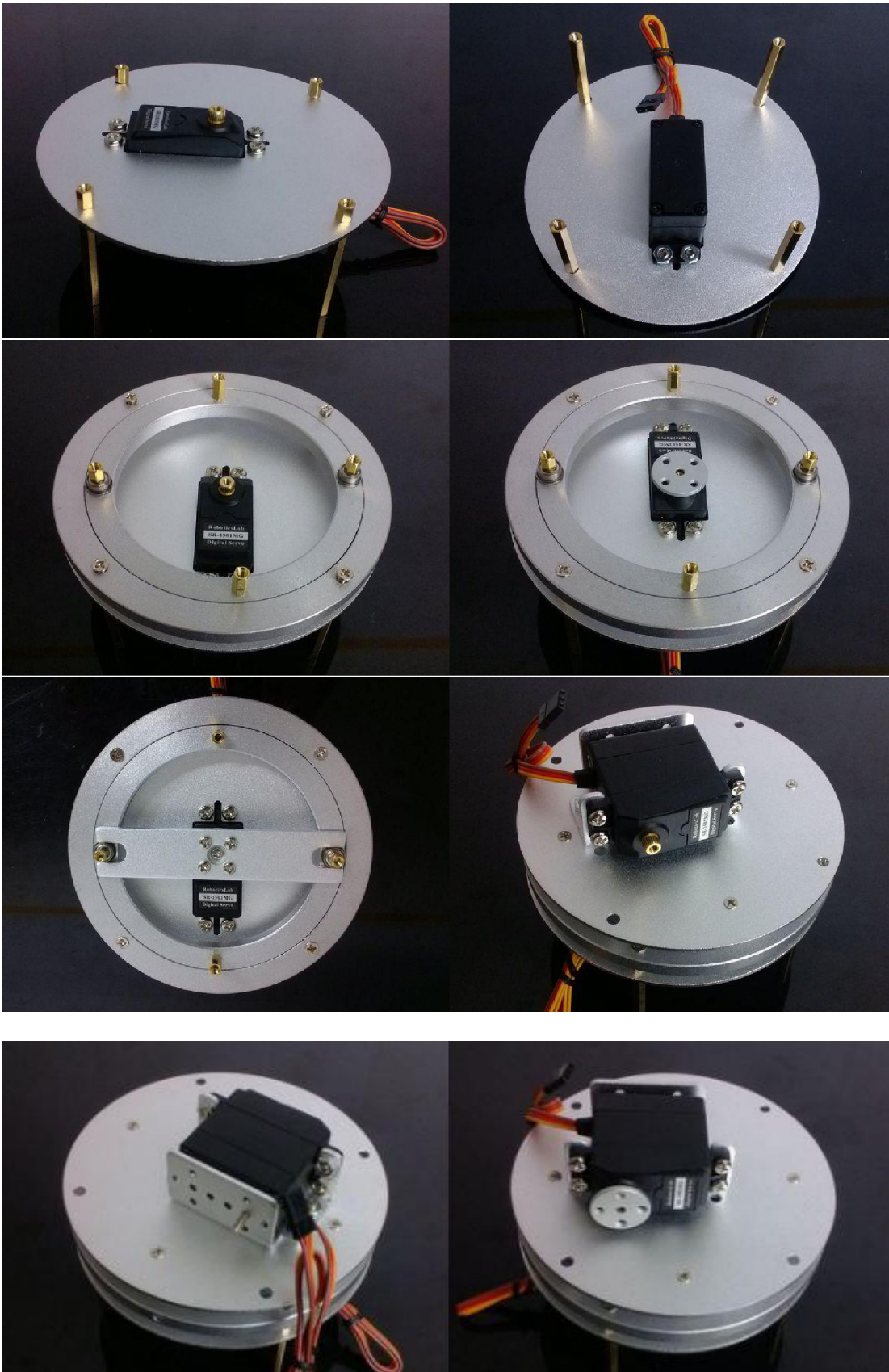




3. Other parts for claw

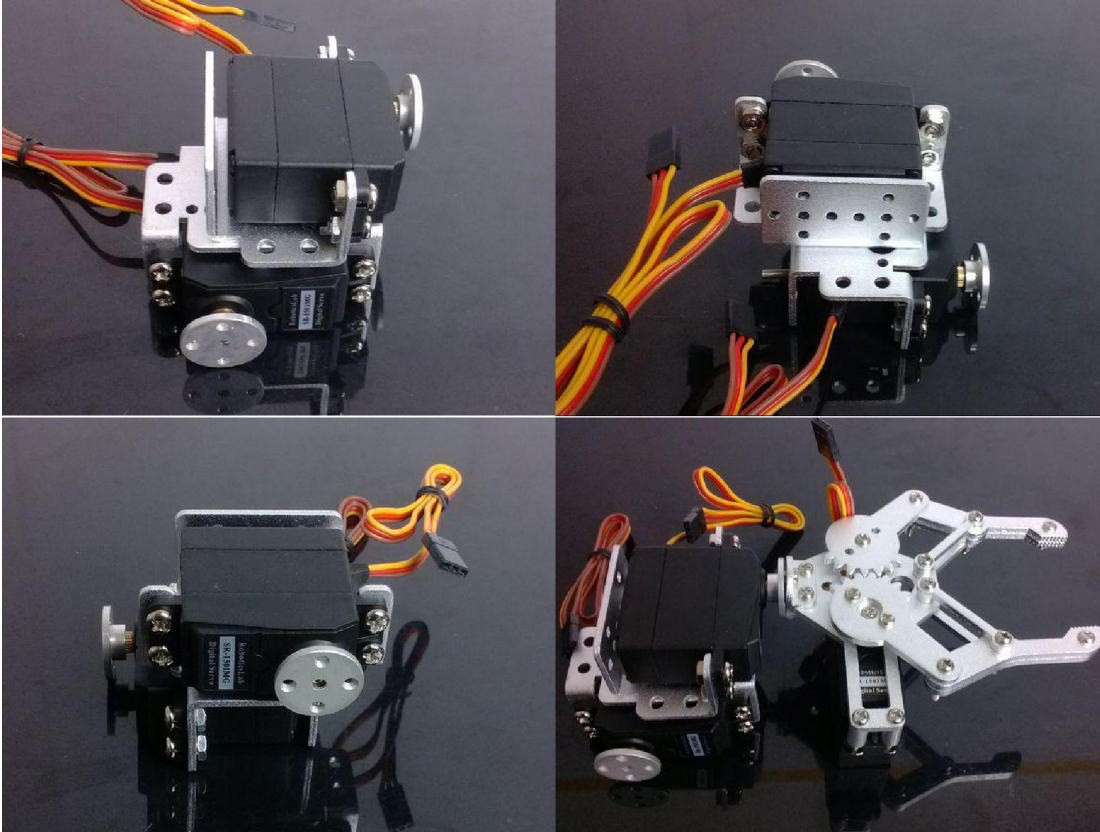
1) mechanical arm disk

- 1 * Mounted DOWN cover
- 1 * Mounted UP cover and bearing
- 1 * Disk swap
- 2 * Metal helm
- 4 * M3 * 40 double-pass pillars
- 4 * M3 * 6 + 6 pillars
- 4 * Flat head M3 * 10 screw
- 4 * Flat head M3 * 4 screw
- 4 * Round M3 * 5 screw
- 1 * Round M3 * 6 screw



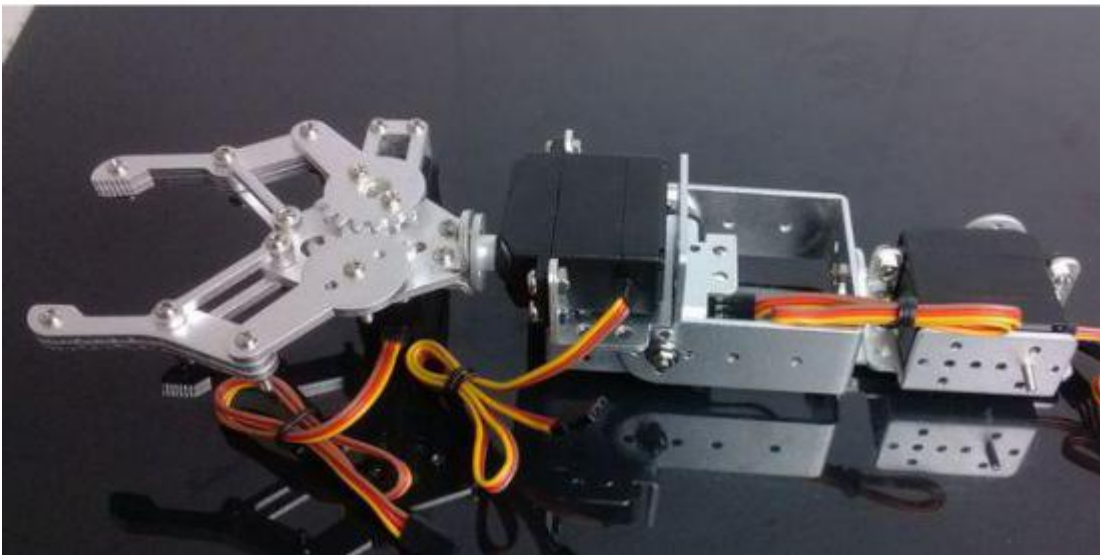
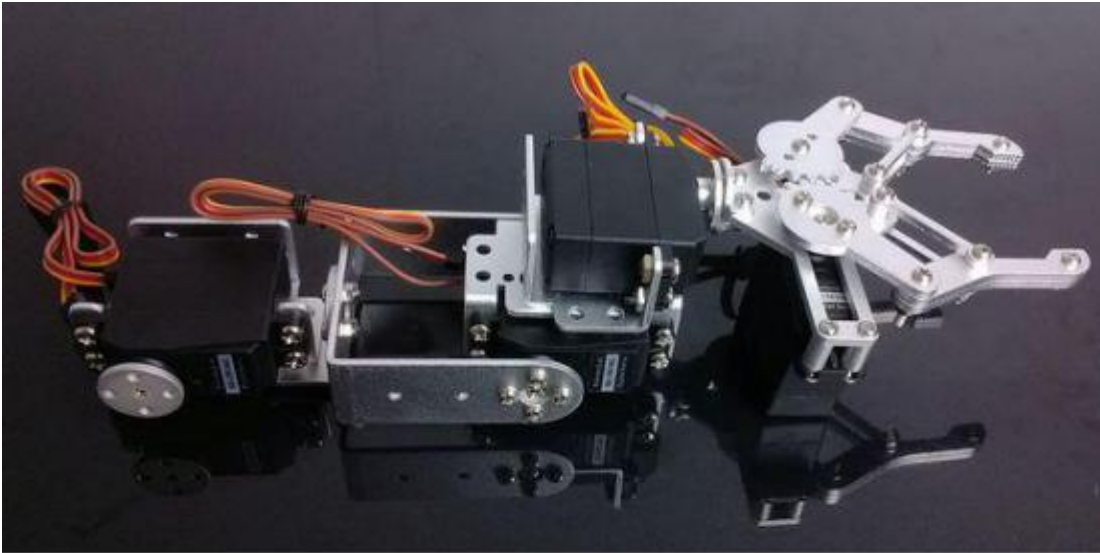
2) Mechanical arm claw

- 1 * Mounted rotary joints
- 1 * Mechanical claws
- 2 * Metal helm
- 3 * Round M3 * 6 screw



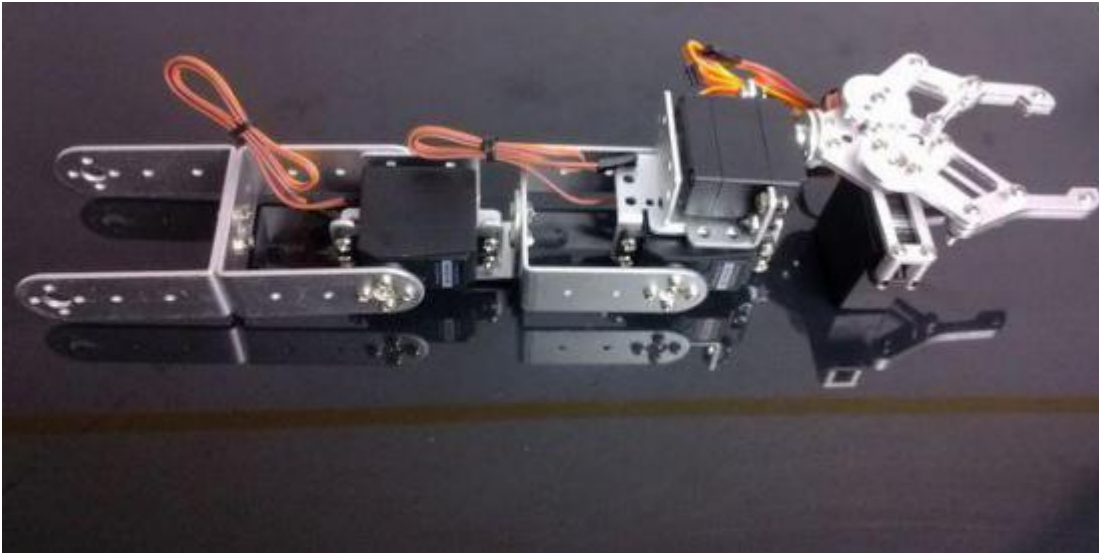
3) Mechanical short arm

- 1 * The mounted mechanical claw on the previous step
- 1 * Robot short arm joints
- 1 * Metal helm
- 4 * Round M3 * 5 screw
- 1 * Round M3 * 6 screw
- 1 * Flange bearings
- 1 * M3 nut



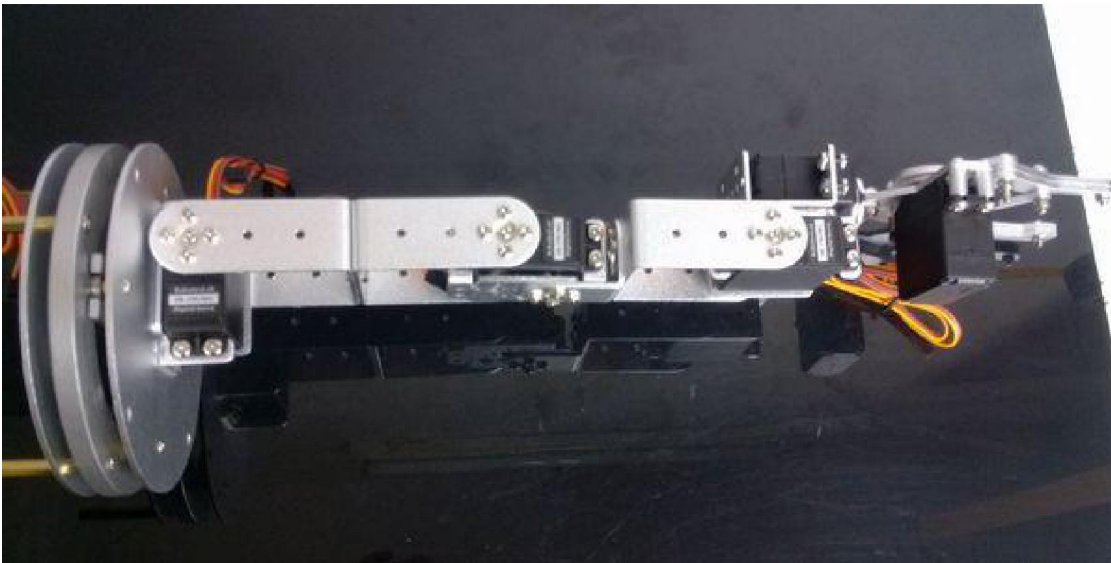
4) Mechanical long arm

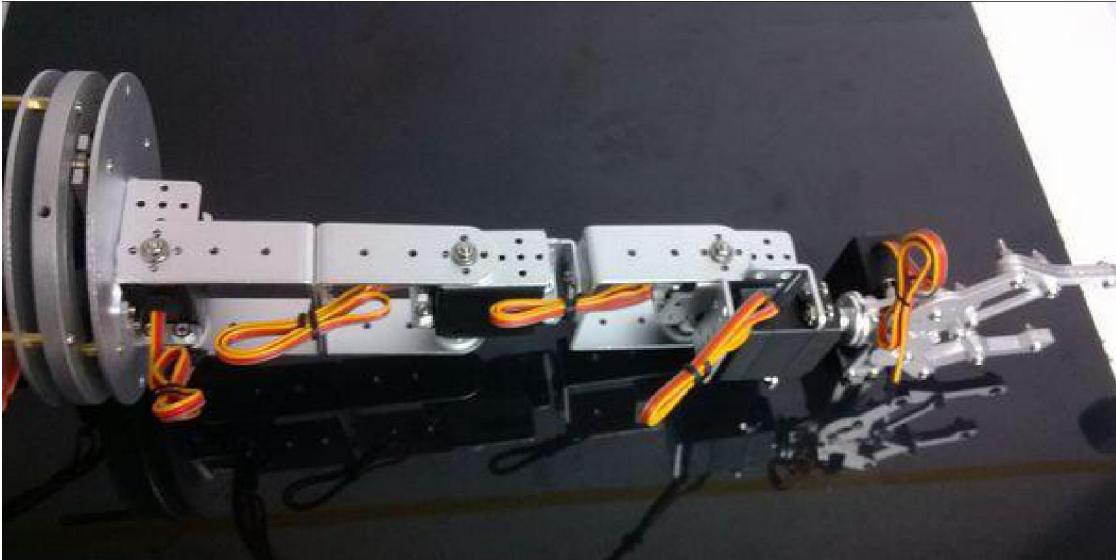
- 1 * Mounted robot arm in the previous step
- 1 * Long-arm joints
- 1 * Metal helm
- 4 * Round M3 * 5 screw
- 1 * Round M3 * 6 screw
- 1 * flange bearing
- 1 * M3 nut



5) Connecting robot base disc

- 1 * Mounted robot arm in the previous step
- 1 * Mounted robot disc base
- 4 * Round M3 * 5 screw
- 1 * Round M3 * 6 screw
- 1 * flange bearings
- 1 * M3 nut





6) Connect robot big chassis

- 1 * Mounted robot arm in the previous step
- 1 * Robot arm's big bottom
- 4 * Flat head M3 * 6 screw

