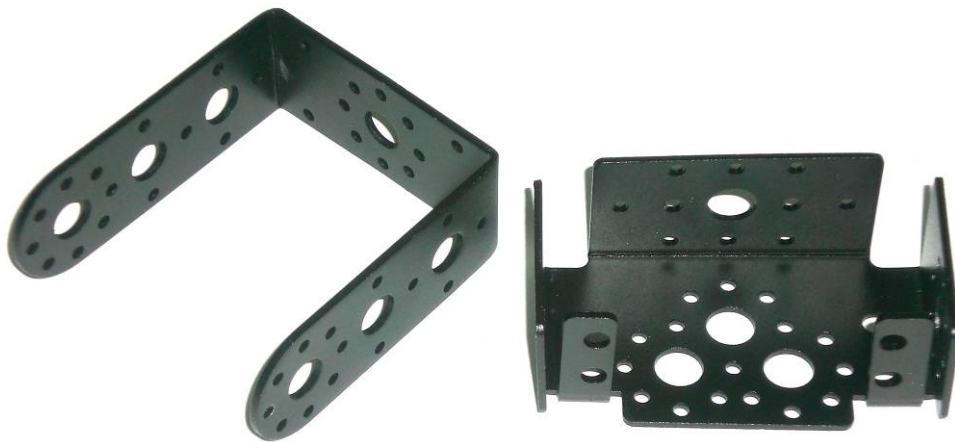




## **Servo Bracket**



## **User's Manual**

**V1.0**

**Sept 2009**

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## **1. INTRODUCTION**

Cytron Technologies has provide two types of servo bracket for their servo motor which are servo holder and U joint. With the combination of these two type of brackets, any creative shape and joint can be assembled just like Scorbot, biped and so on.

## 2. ASSEMBLE SERVO BRACKET AND U JOINT

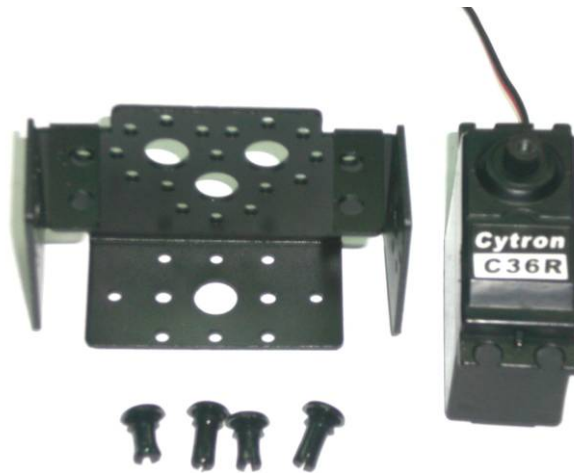
This U joint and Servo Holder are suitable for C36 and C40 RC servo, for other type of servo, user might need manual modification to use it.

This part will show example on how to assemble servo bracket and u joint to get creative shape.

### 2.1 Assemble Servo Holder with RC Servo

1. Prepare the components as shown in Figure 1.

- i. Servo Holder
- ii. RC Servo
- iii. Rivets



**Figure 1**

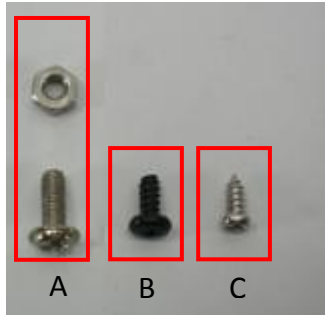
2. Mate the servo motors to servo holder with servo rivets as shown in Figure 2.



**Figure 2**

## 2.2 Assemble Servo Holder and U Joint with RC Servo

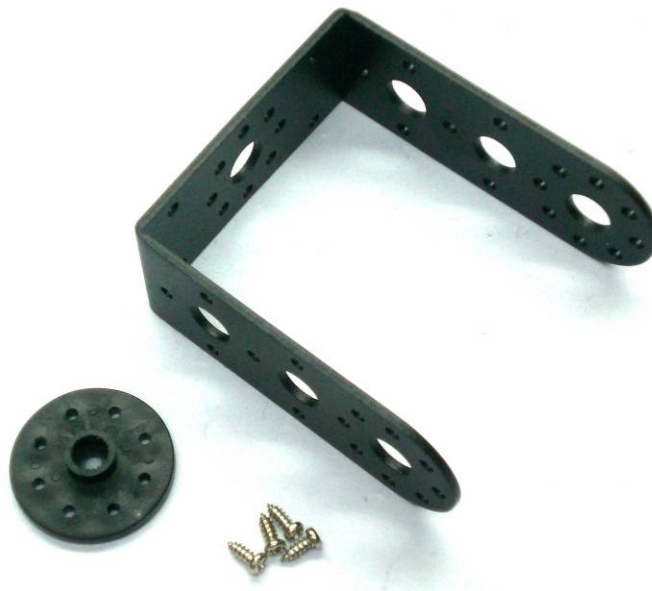
The following steps refer to figure below. This figure shows the bolts, nuts and screws that are available in the servo bracket and U joint.



**Figure 3**

1. Prepare the components as shown in figure below.

- i. U Joint
- ii. Servo horn
- iii. C screw (refer Figure 3)

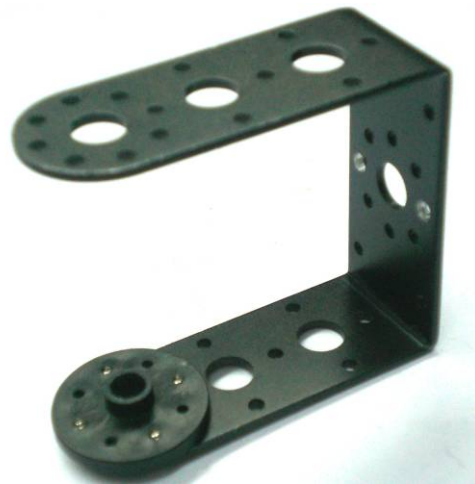


**Figure 4**

2. Mate the servo horns and U joints with C screw.



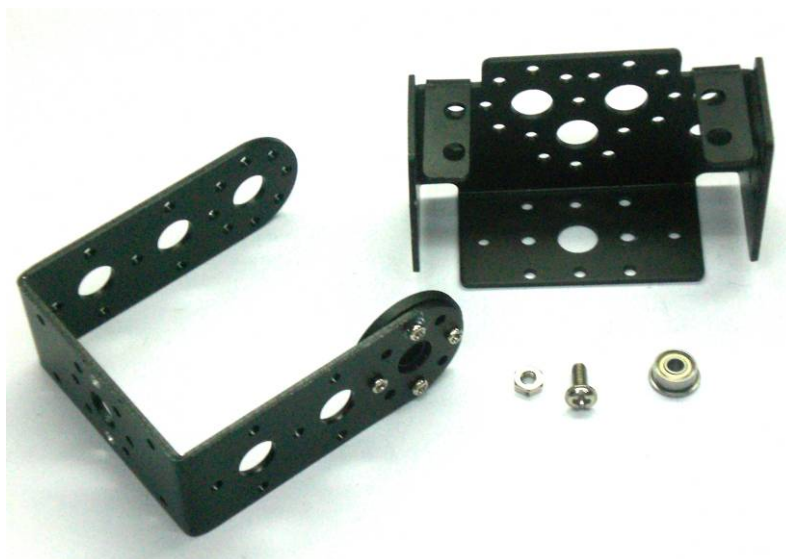
**Figure 5**



**Figure 6**

3. Prepare the components as shown in Figure 7.

- i. U Joint with horn in Figure 5
- ii. Servo holder
- iii. Bearing
- iv. A screw (refer Figure 3)



**Figure 7**

4. Mate servo bracket and U joints with bearing and A set screw.



**Figure 8**

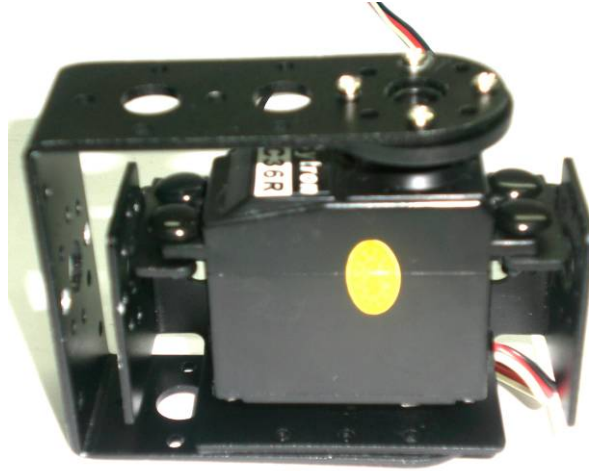
5. Prepare the components as shown in Figure 9.
- i. Servo holder and U joint in Figure 8
  - ii. Rivets
  - iii. RC Servo



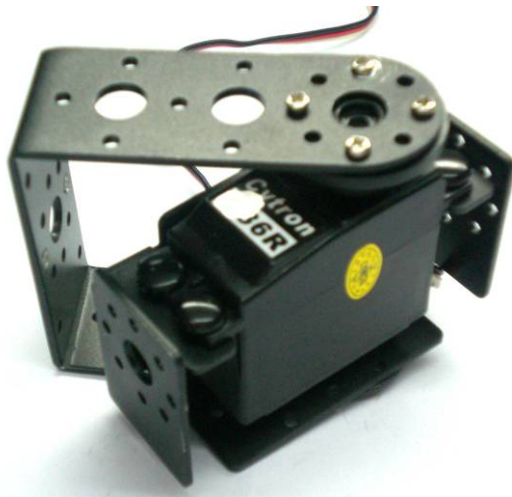
**Figure 9**



6. Mate the servo motors to servo brackets with servo rivets as shown in Figure 10 until 12. Position of servo motor is depends on user. But user need to ensure the servo motor is mated at the middle position of their moveable range. As shown in figure below, a successful mating is defined by the servo motors are nearly parallel to the servo holder while the circuit and motors are turned on.



**Figure 10**



**Figure 11**



**Figure 12**

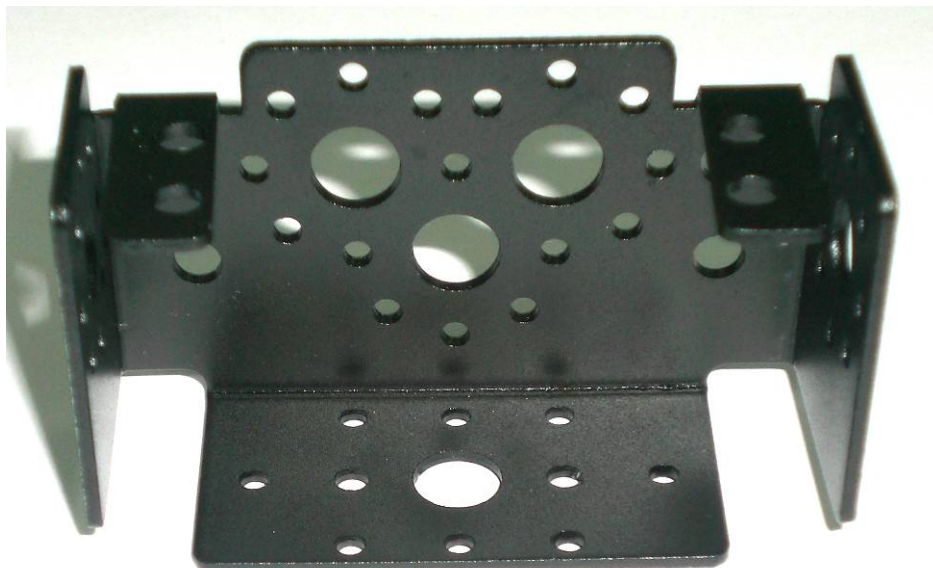
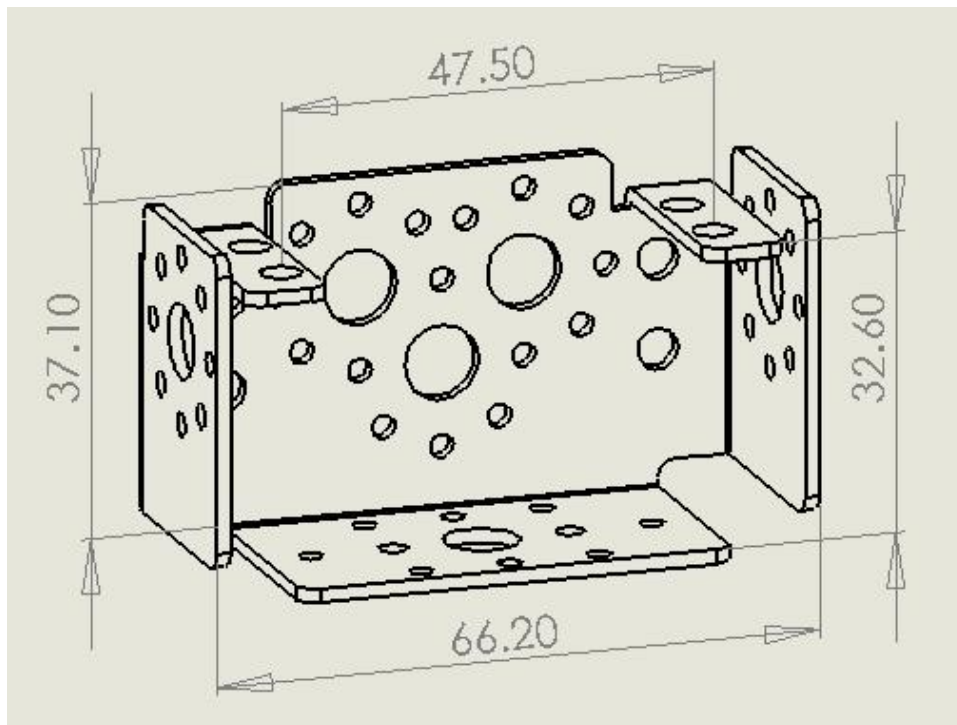
7. Mate the servo motor with B screw as shown in Figure 13.



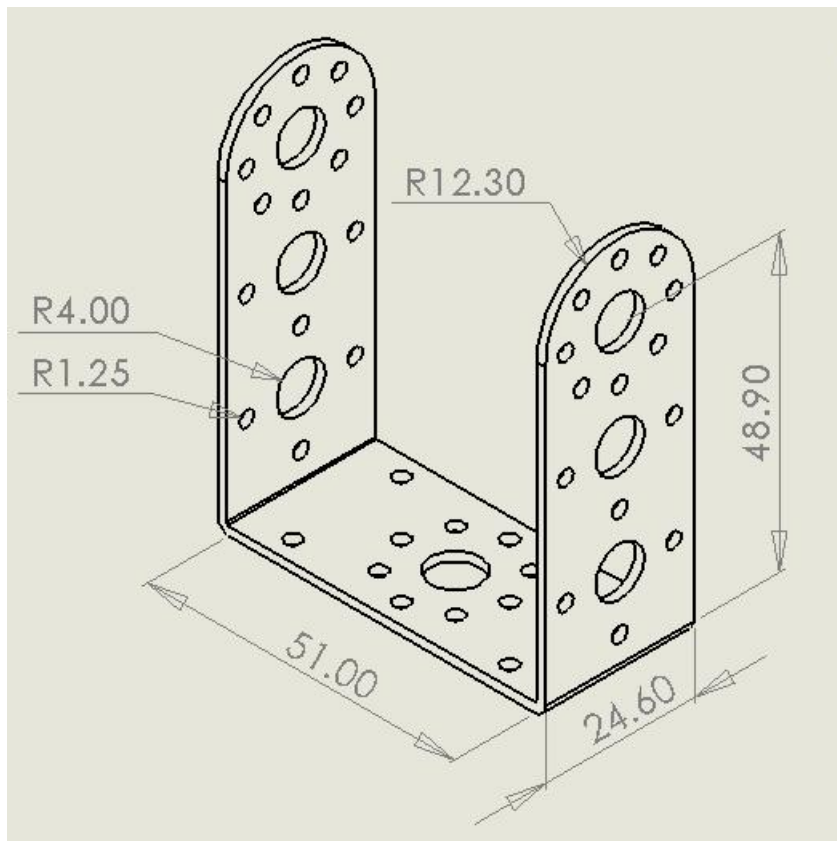
**Figure 13**

### 3. DIMENSION DRAWING (unit in mm)

#### Servo Holder



## U Joint



## 7. WARRANTY

- Product warranty is valid for 6 months.
- Warranty only applies to manufacturing defect.
- Damage caused by mis-use is not covered under warranty.
- Warranty does not cover freight cost for both ways.

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