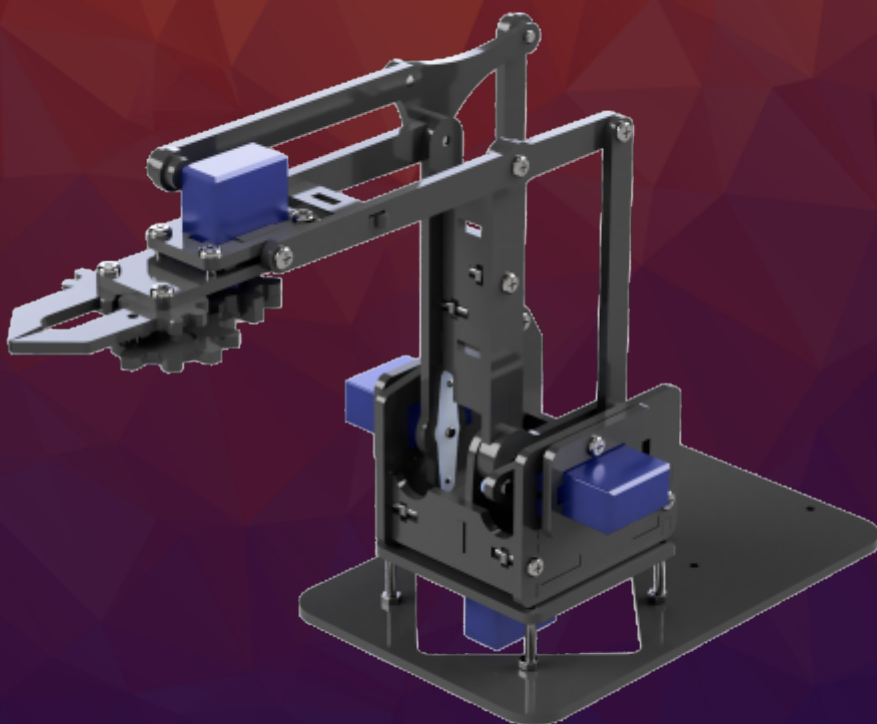


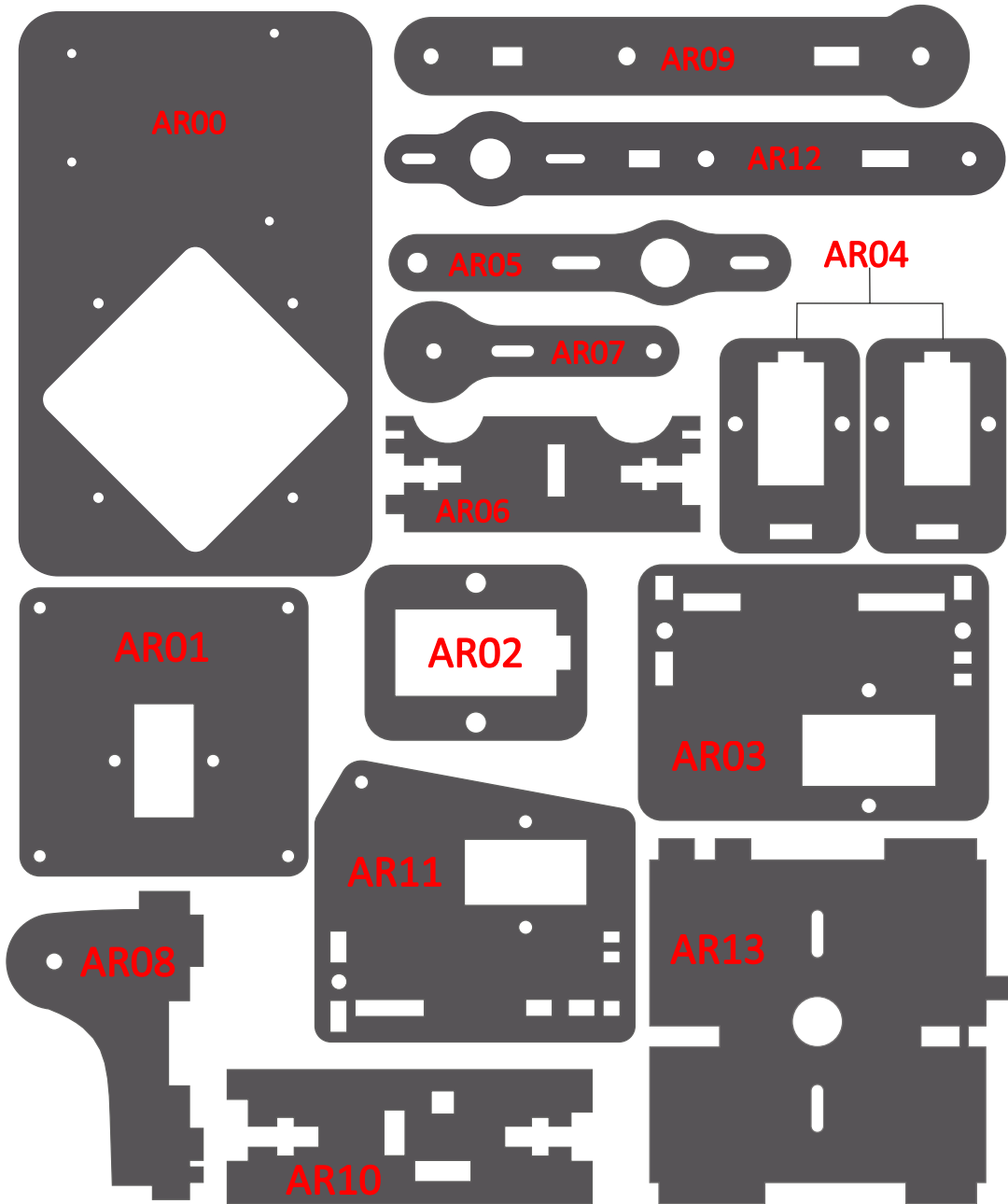
**robotistan**



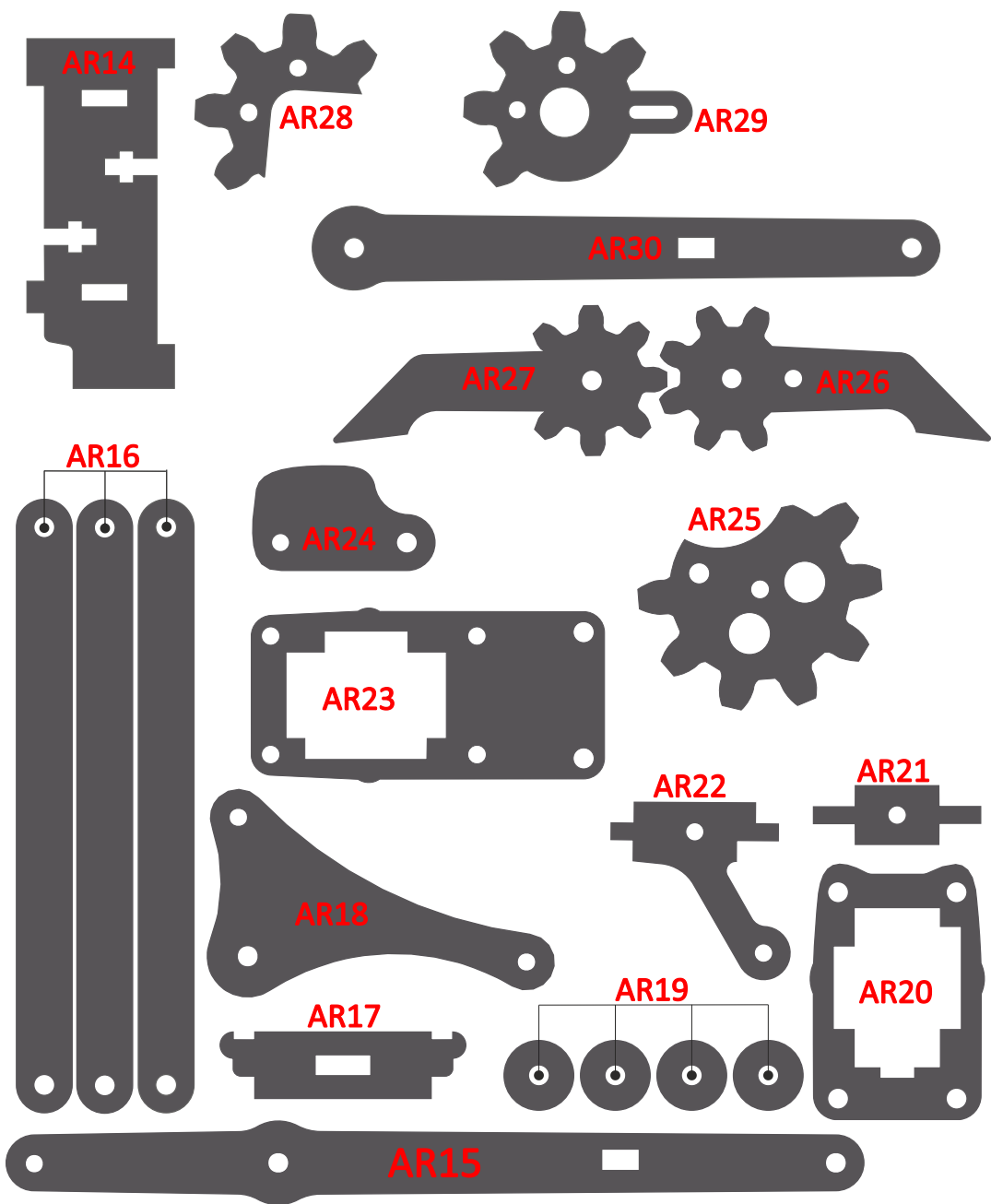
## Robotic Arm Assembly Guide







Part list





## Assembly Steps - Tuning up the servo motors.

### Servo Motor Position Adjutment

Before starting the assembl, you have to manually adjust the angles of the servo motors. Otherwise, Solar X will not work properly.



Atach the servo arm to the servo, then slowly turn the servo arm clockwise unntiit stops. It is not a problem if the servo arm is not the same as the angle shown in the image above. The important thing here is that you have found the last note of the servo.








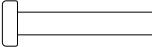
Remove the servo arm from the servo and repositionit perpendicular to the servo body as shown.



Slowly turn the servo arm counterclockwise untillit is parallel with the servo body, as in the image. When this operationis done, it means that the servo motor is in the center position. It is important that you apply this process to the 2 servo motors in the set. Afer processing the two motors, remove the servo arm and set aside for assembly.

## Assembly Steps - Before getting started

These are the needed fastener components and their quantity for building your robotic arm. 2.5 screwdriver is needed for construction components. additional screw's for servo motor mounting and servo horns are included in their specific package.

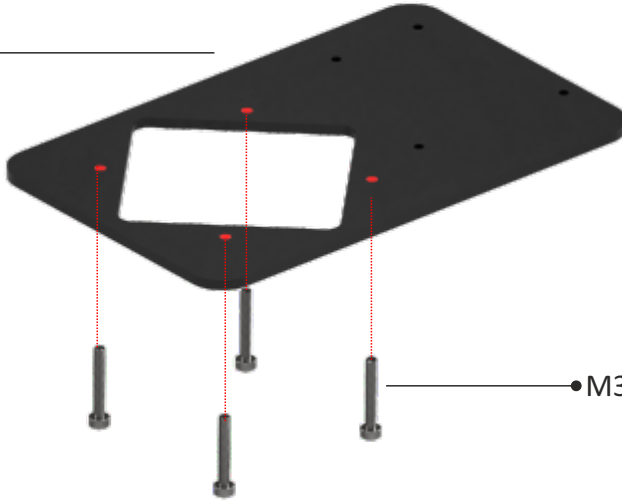
Fasteners	
	■ M3 Nut - 10 pcs.
	■ M3x 6mm - 6 pcs.
	■ M3x 8mm - 15 pcs.
	■ M3x 10mm - 3 pcs.
	■ M3x 12mm - 8 pcs.
	■ M3x 20mm - 4 pcs.

\* The dimensions of fasteners are 1/1 scale if this document printed in A5 booklet format.

## Assembly Steps

①

AR00

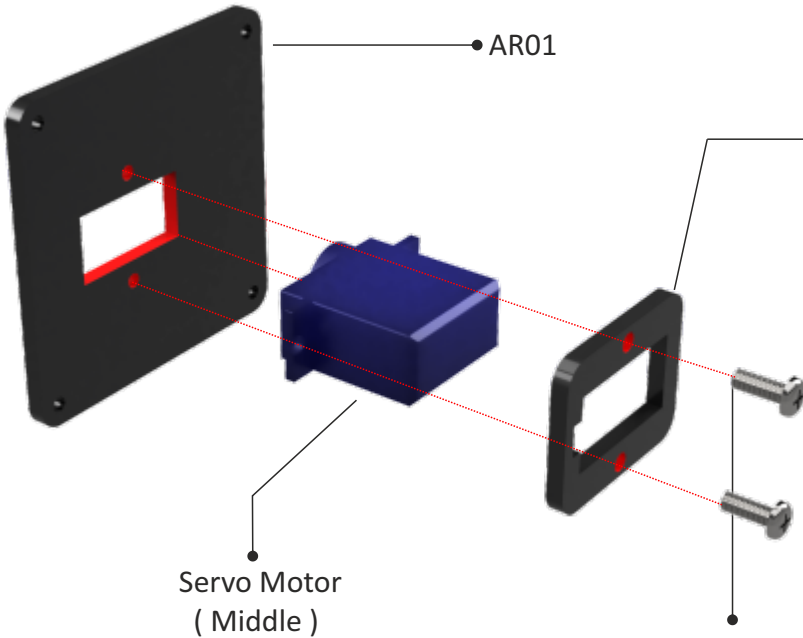


M3x20mm - 4 pcs.

②

AR01

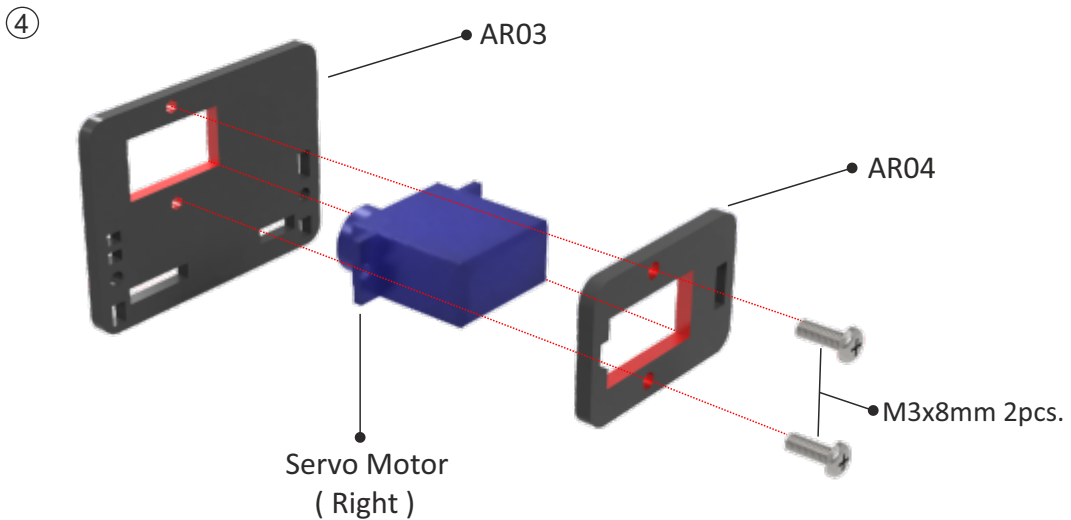
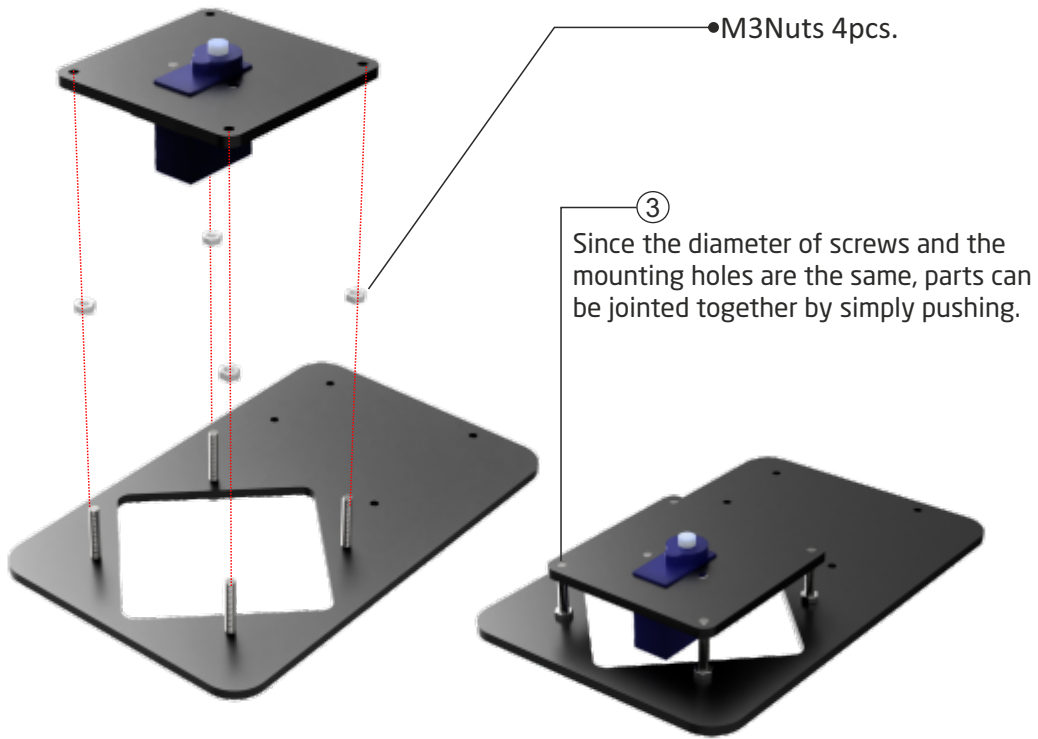
AR02



Servo Motor  
( Middle )

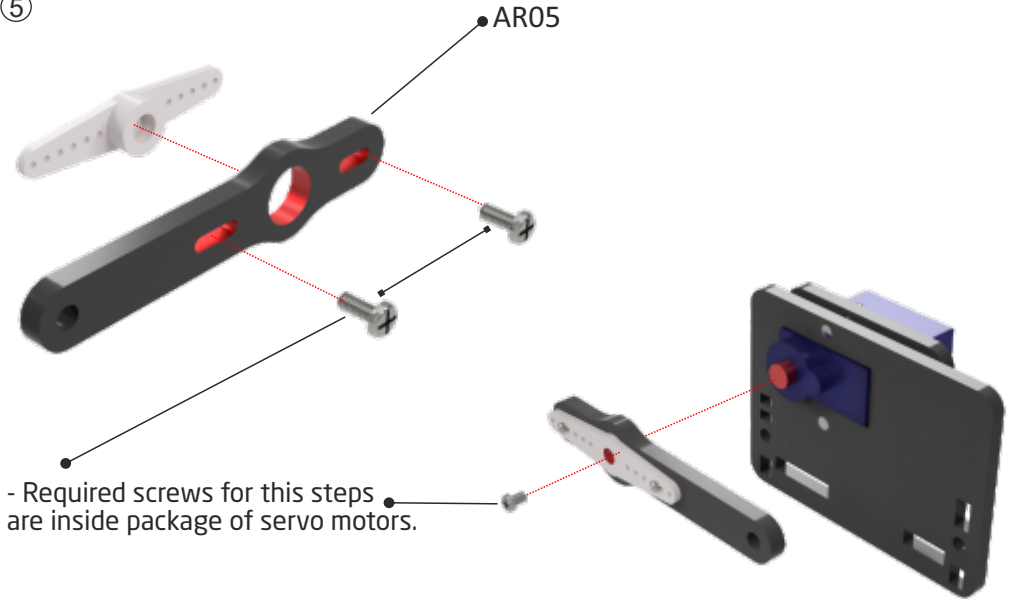
M3x8mm - 2 pcs.

## Assembly Steps

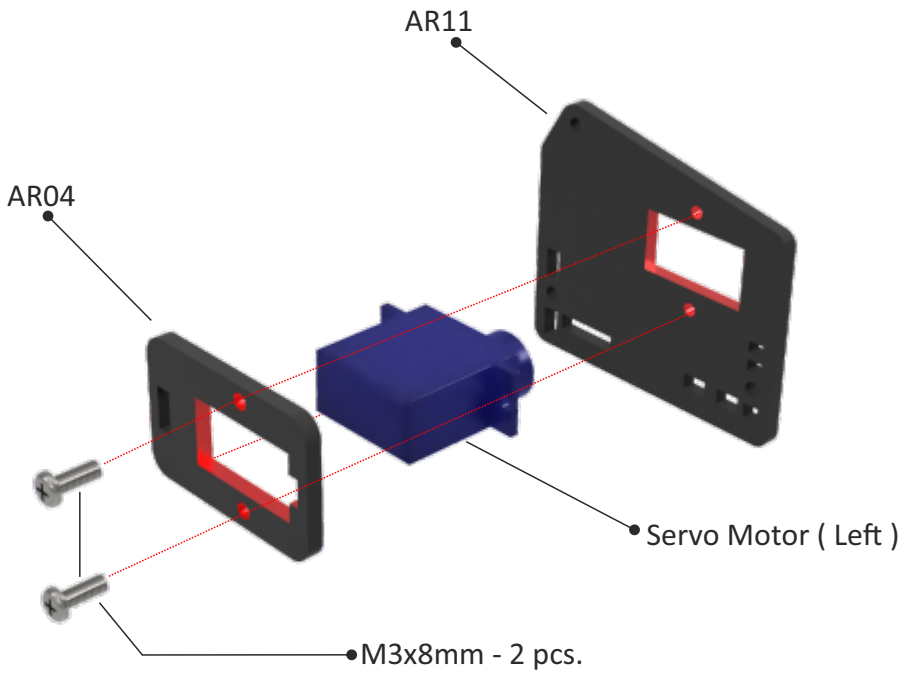


## Assembly Steps

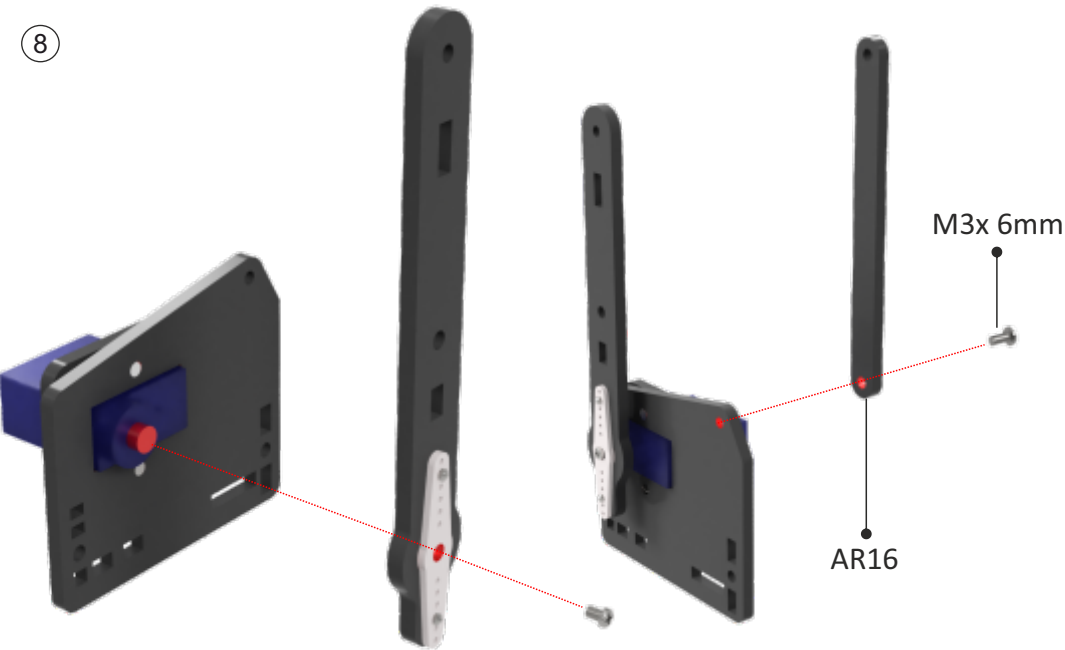
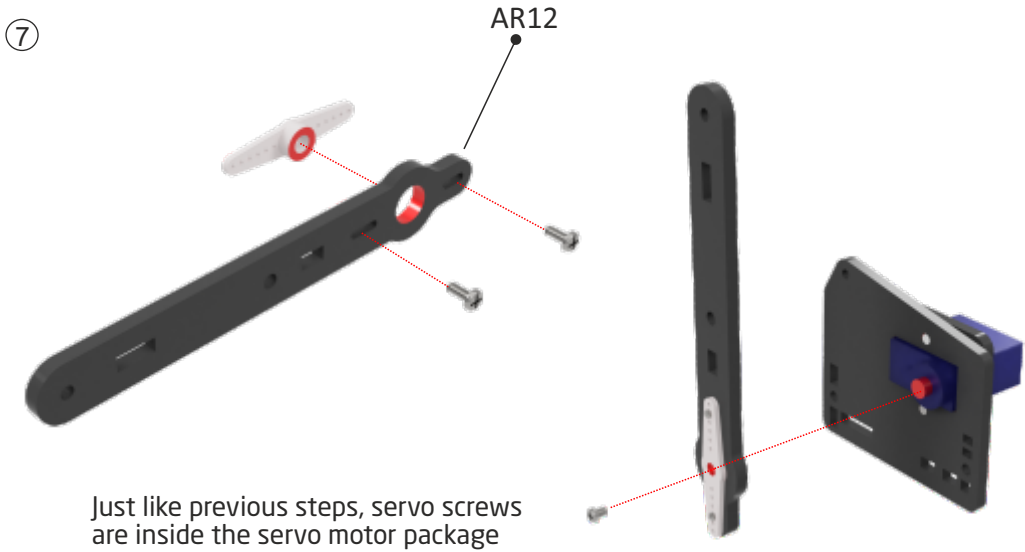
⑤



⑥



Assembly Steps

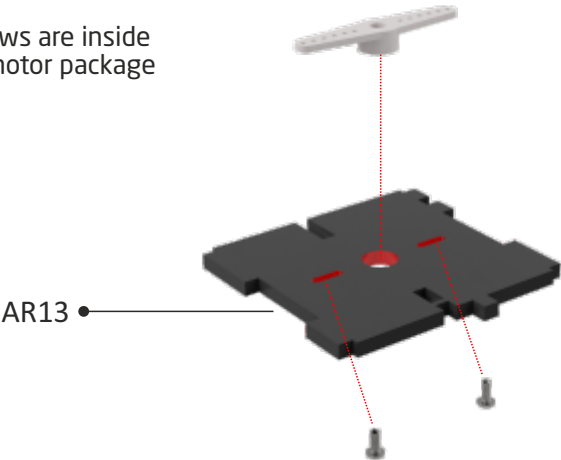


9



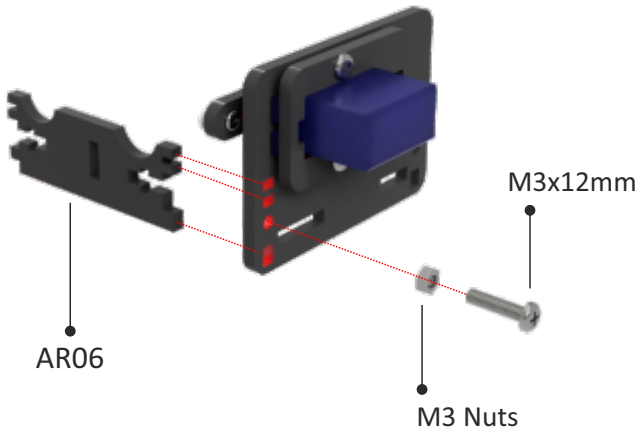
10

\*servo screws are inside the servo motor package

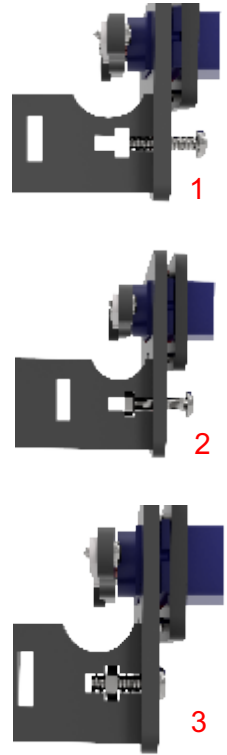


## Assembly Steps

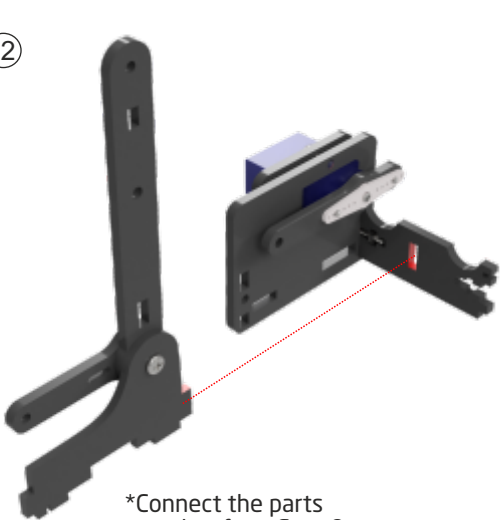
11



\*In order to connect the parts together properly, first insert the screw (1), then put nut inside the referenced nesting (2) then its safe to tighten screw (3).



12



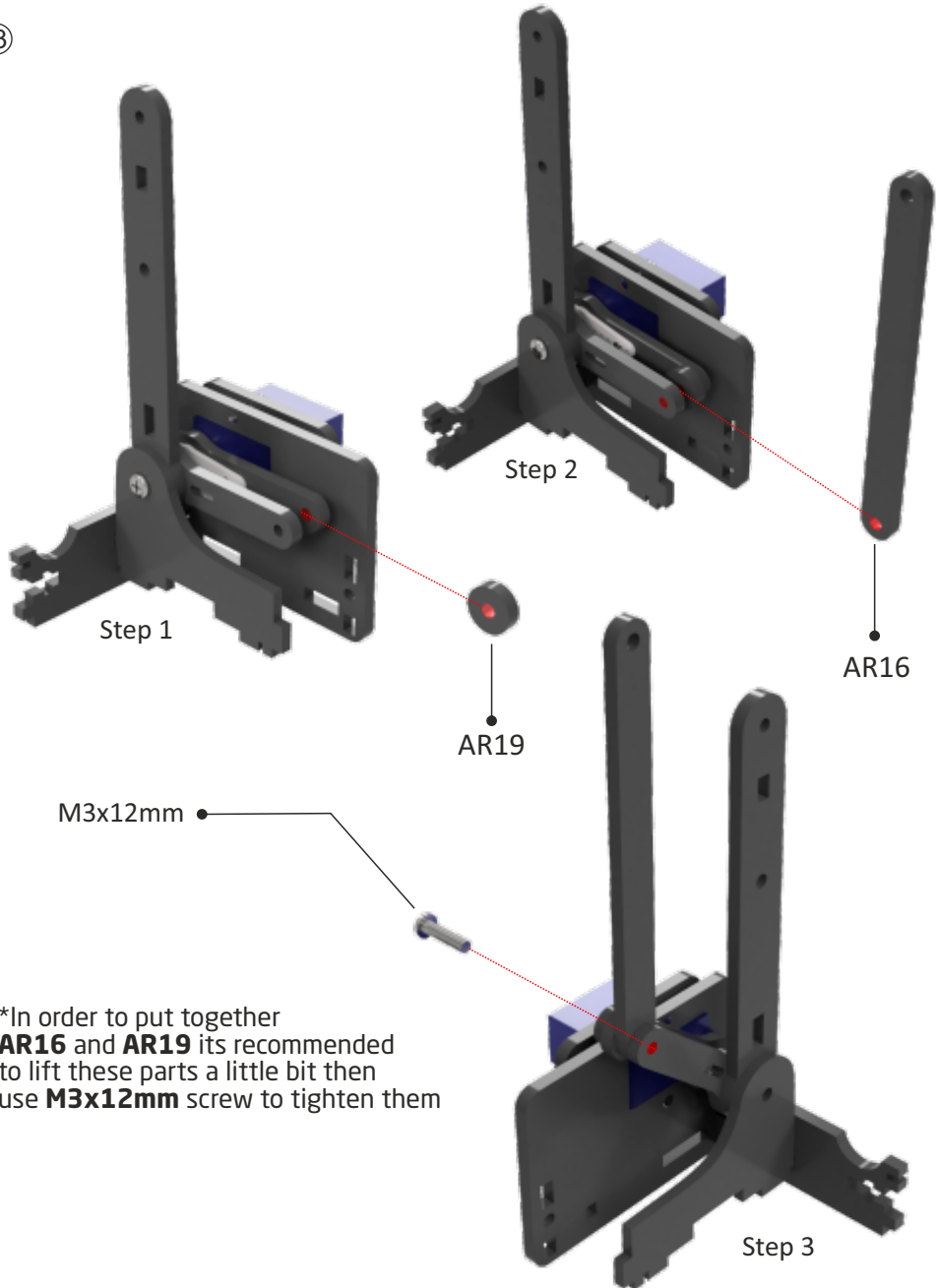
\*Connect the parts together from Step 9.





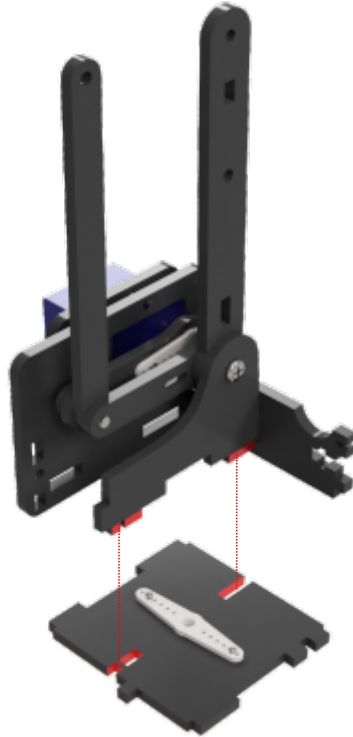
## Assembly Steps

13



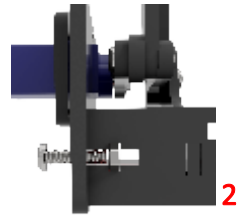
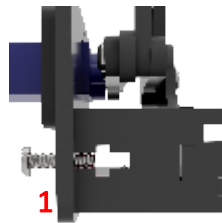
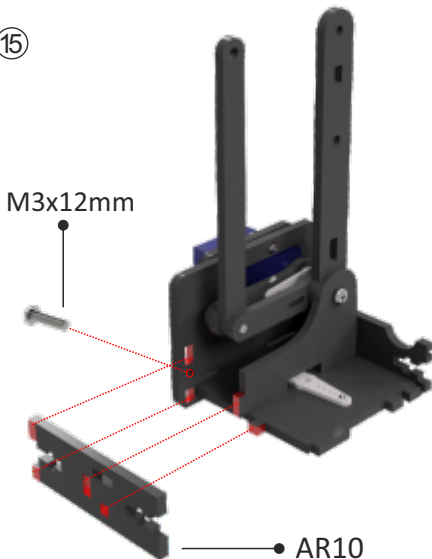
## Assembly Steps

⑭



\*Connect the parts together from Step 10.

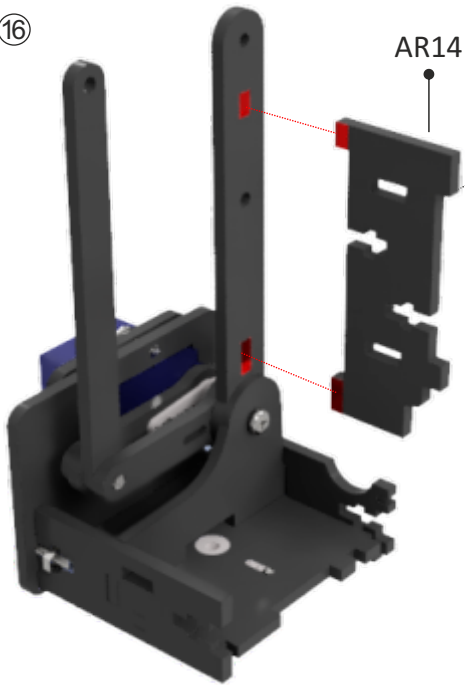
⑮



In order to connect the parts together properly, first insert the screw (1), then put nut inside the referenced nesting (2) then its safe to tighten screw (3).

## Assembly Steps

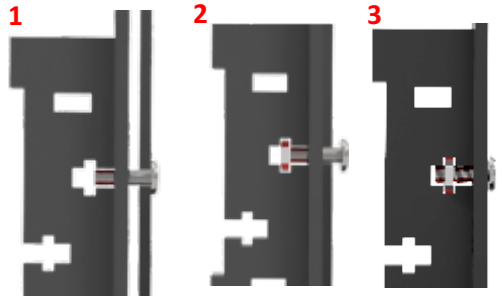
①⑥



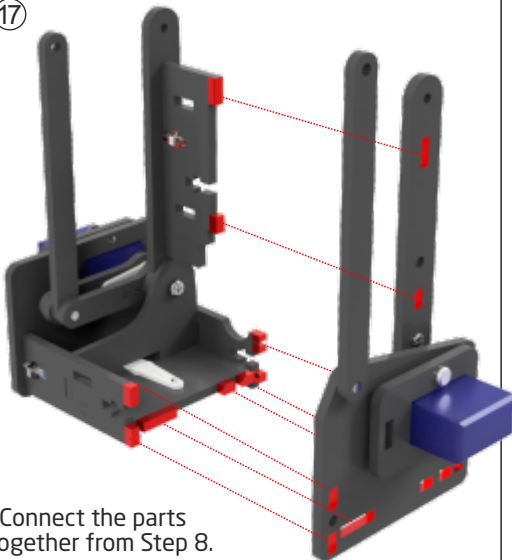
AR14

M3x12mm

In order to connect the parts together properly, first insert the screw (1), then put nut inside the referenced nesting (2) then its safeto tighten screw (3).

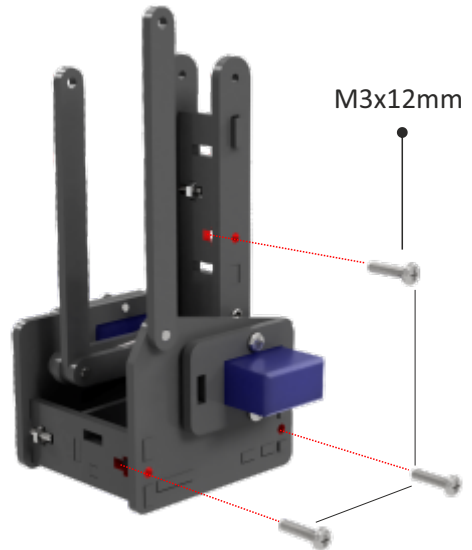


①⑦



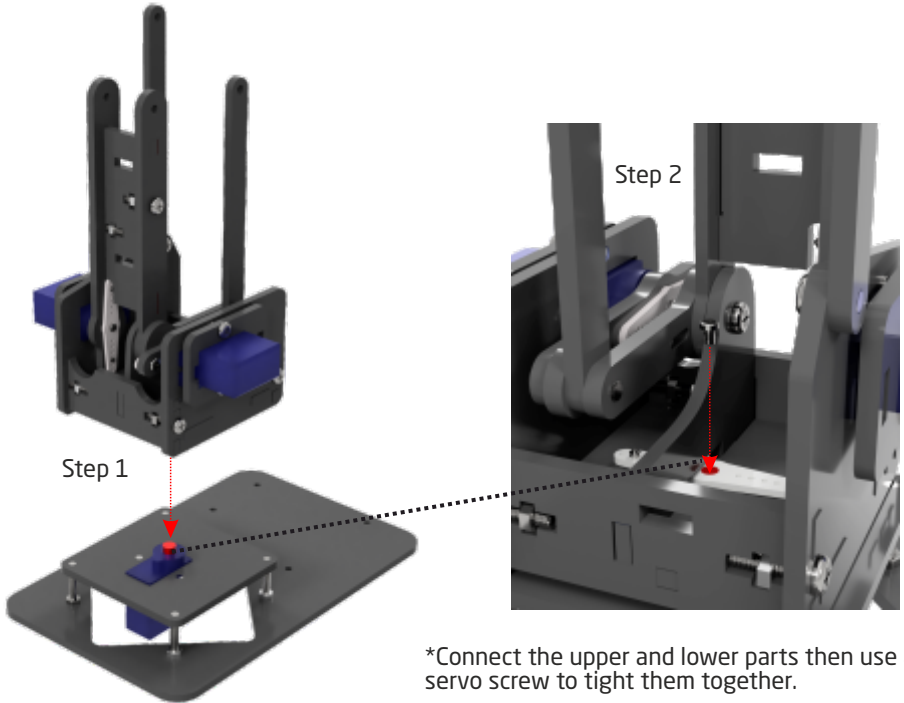
\*Connect the parts together from Step 8.

M3x12mm

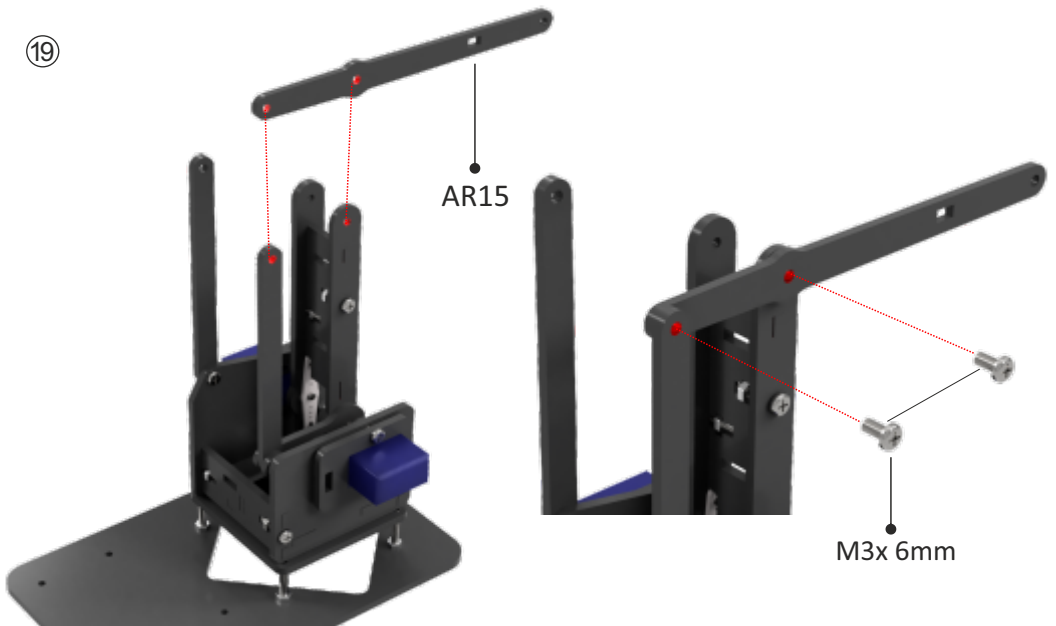


## Assembly Steps

18

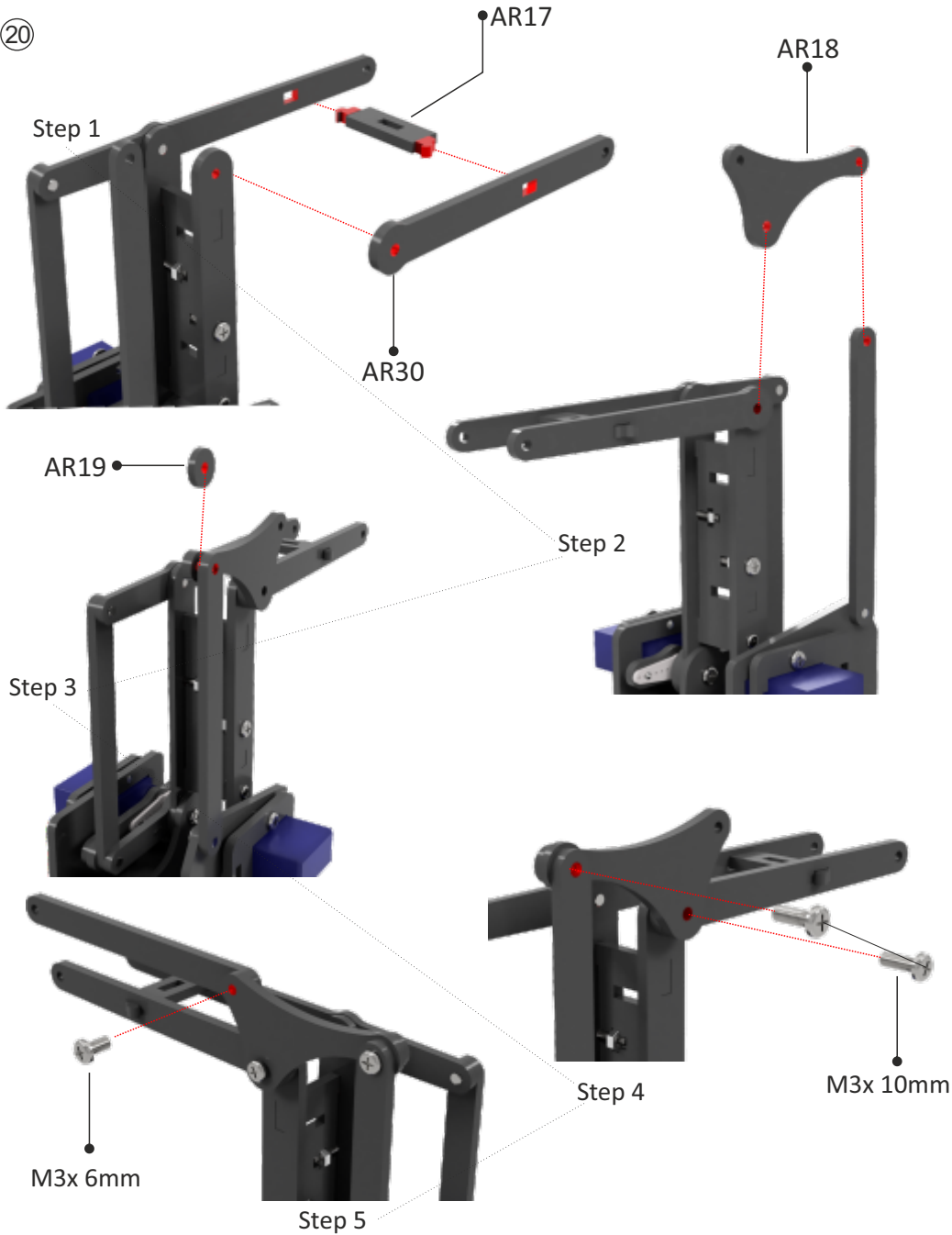


19

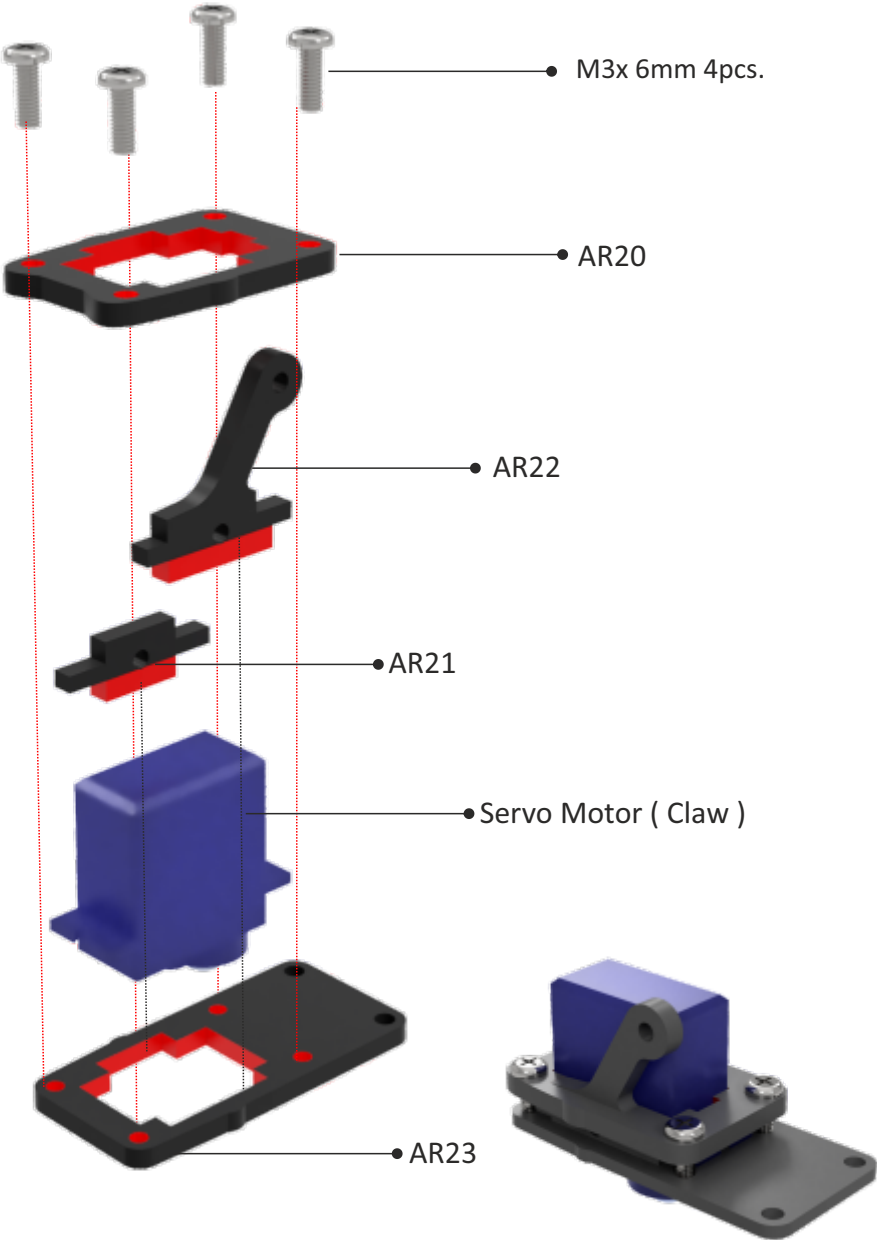


Assembly Steps

20

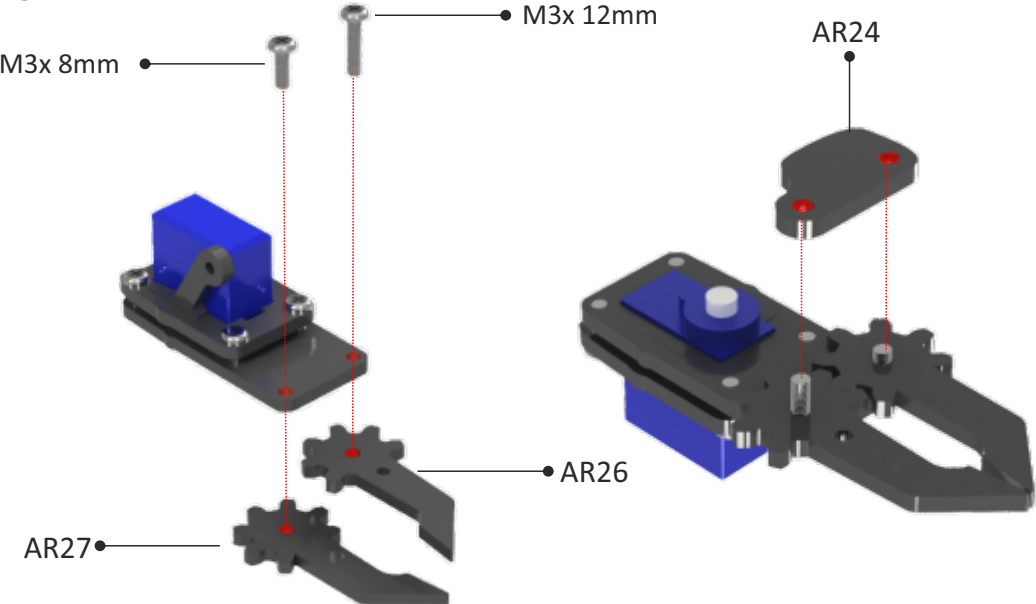


21

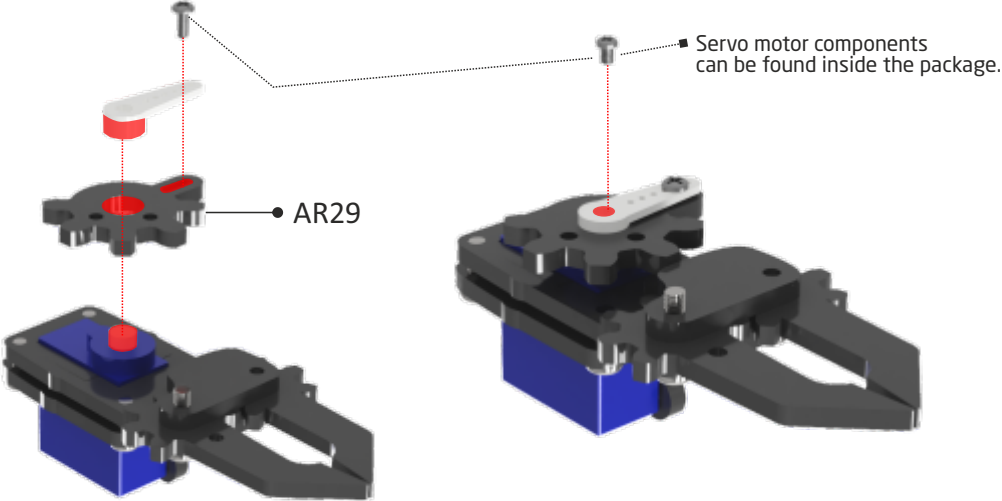


Assembly Steps

22

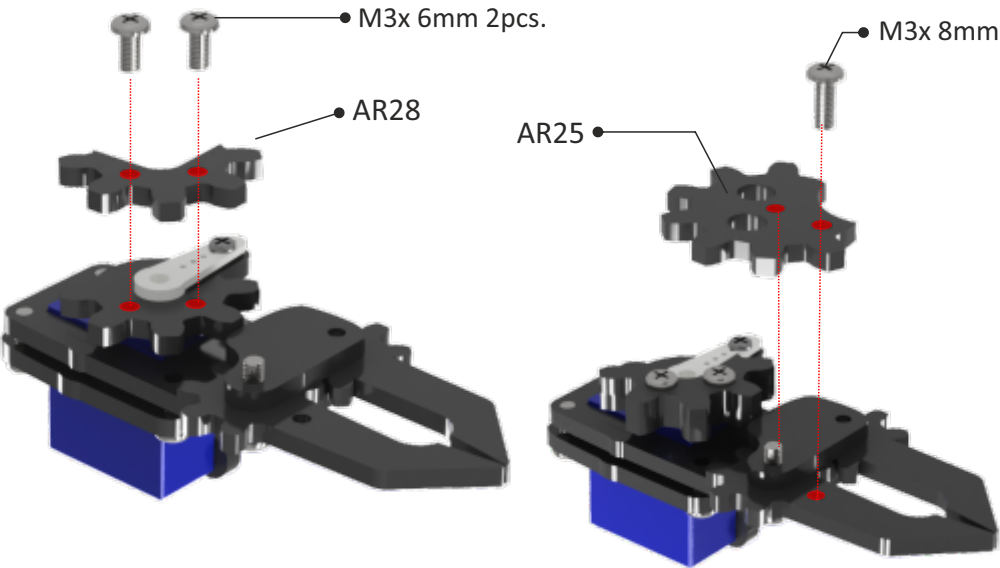


23

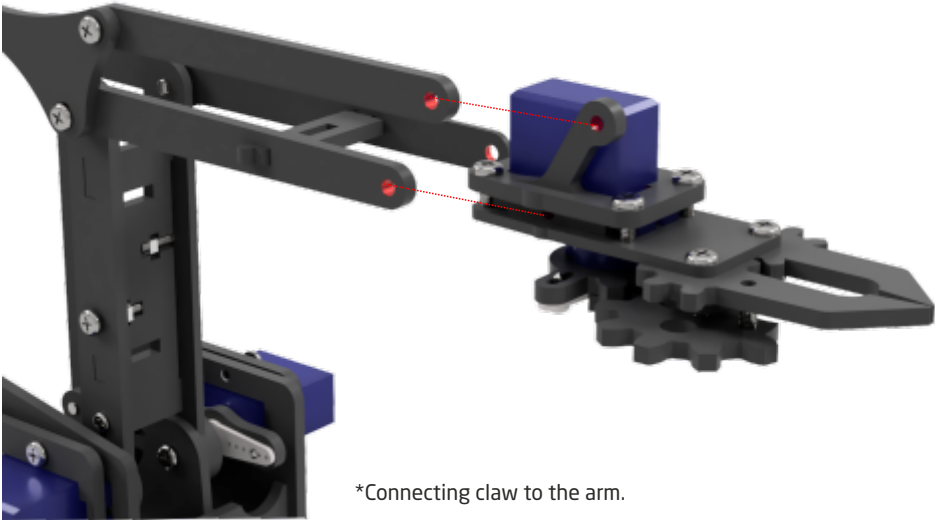


Assembly Steps

24



25



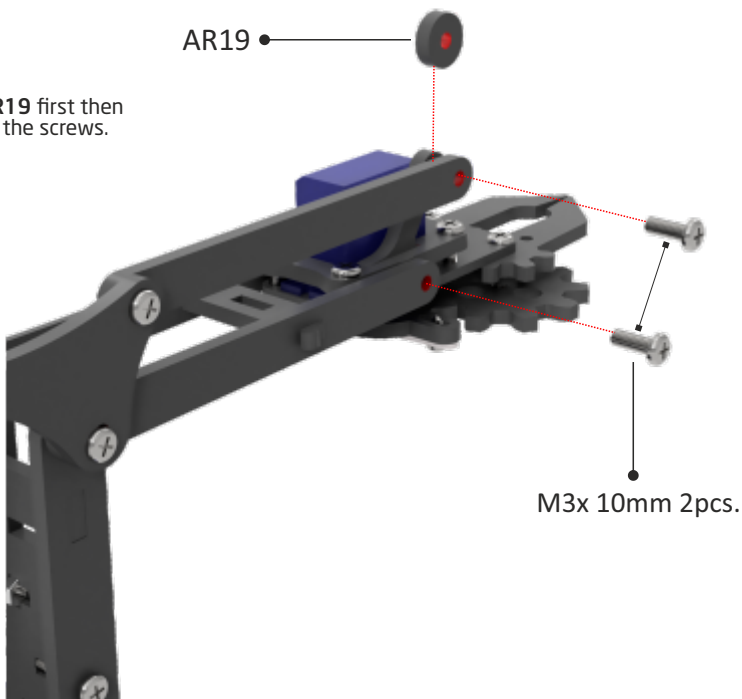
\*Connecting claw to the arm.



Assembly Steps

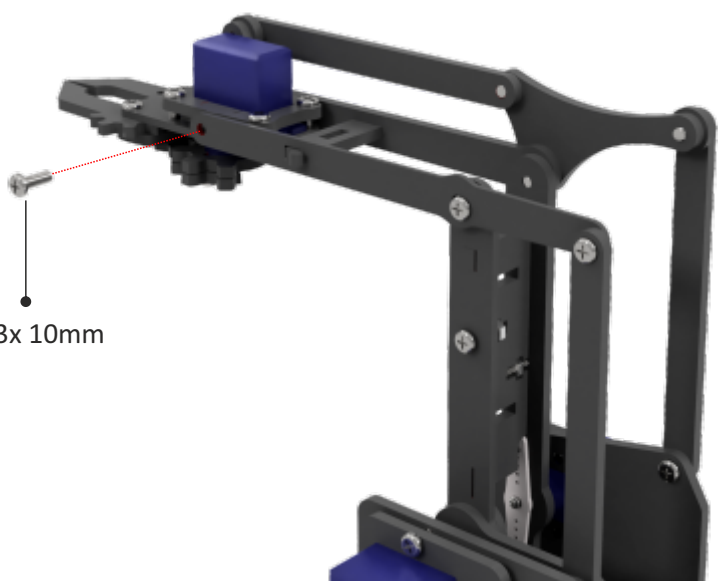
26

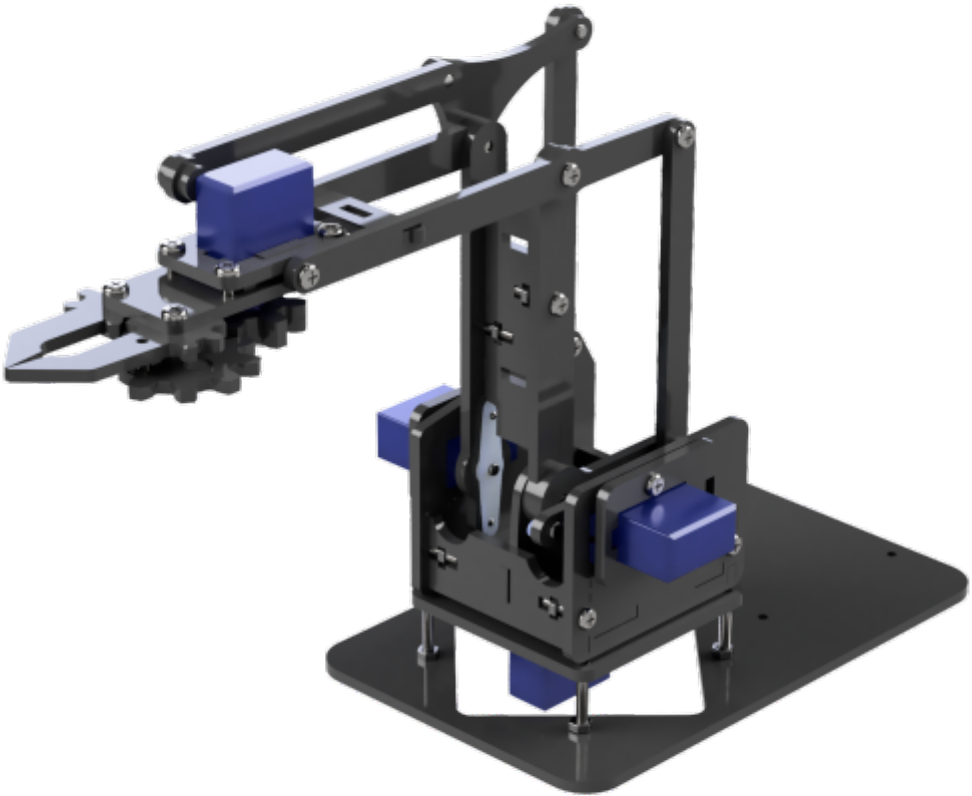
\*Put **AR19** first then  
tighten the screws.



27

M3x 10mm





The robotic arm building is finished and its ready to be equipped for your projects.



We're Here to Help  
Feel free to reach out to us at  
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