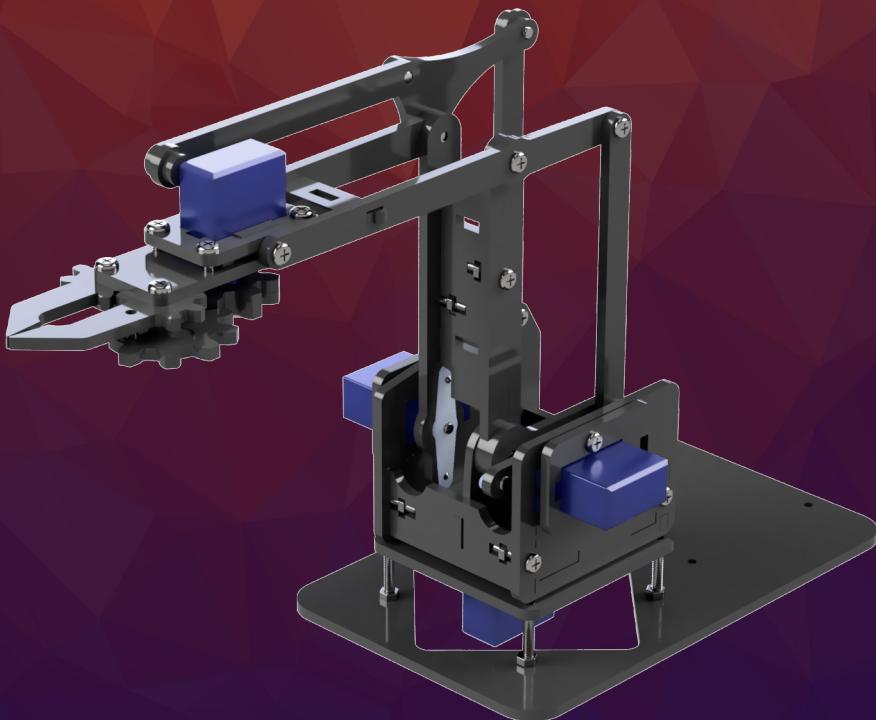
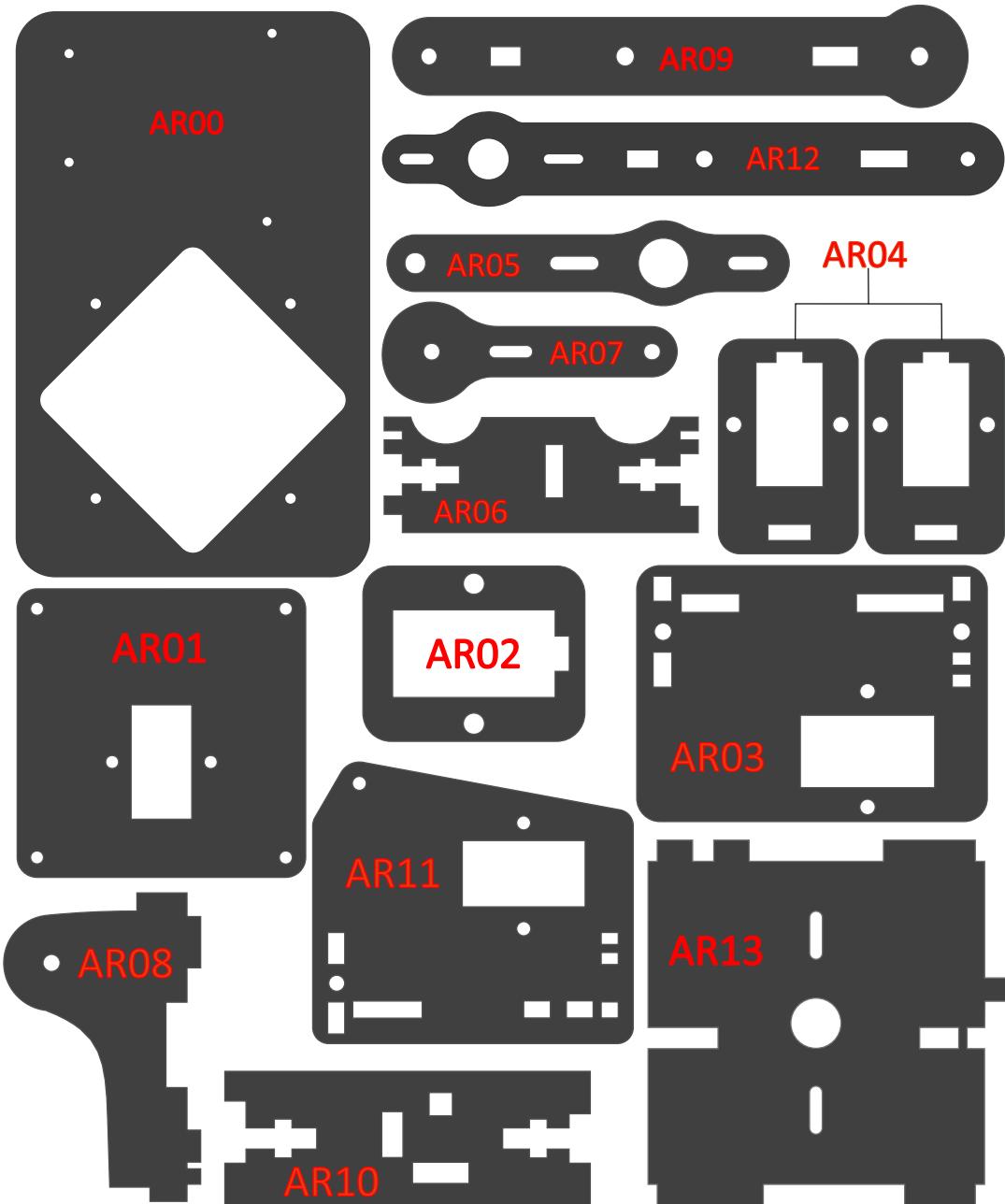




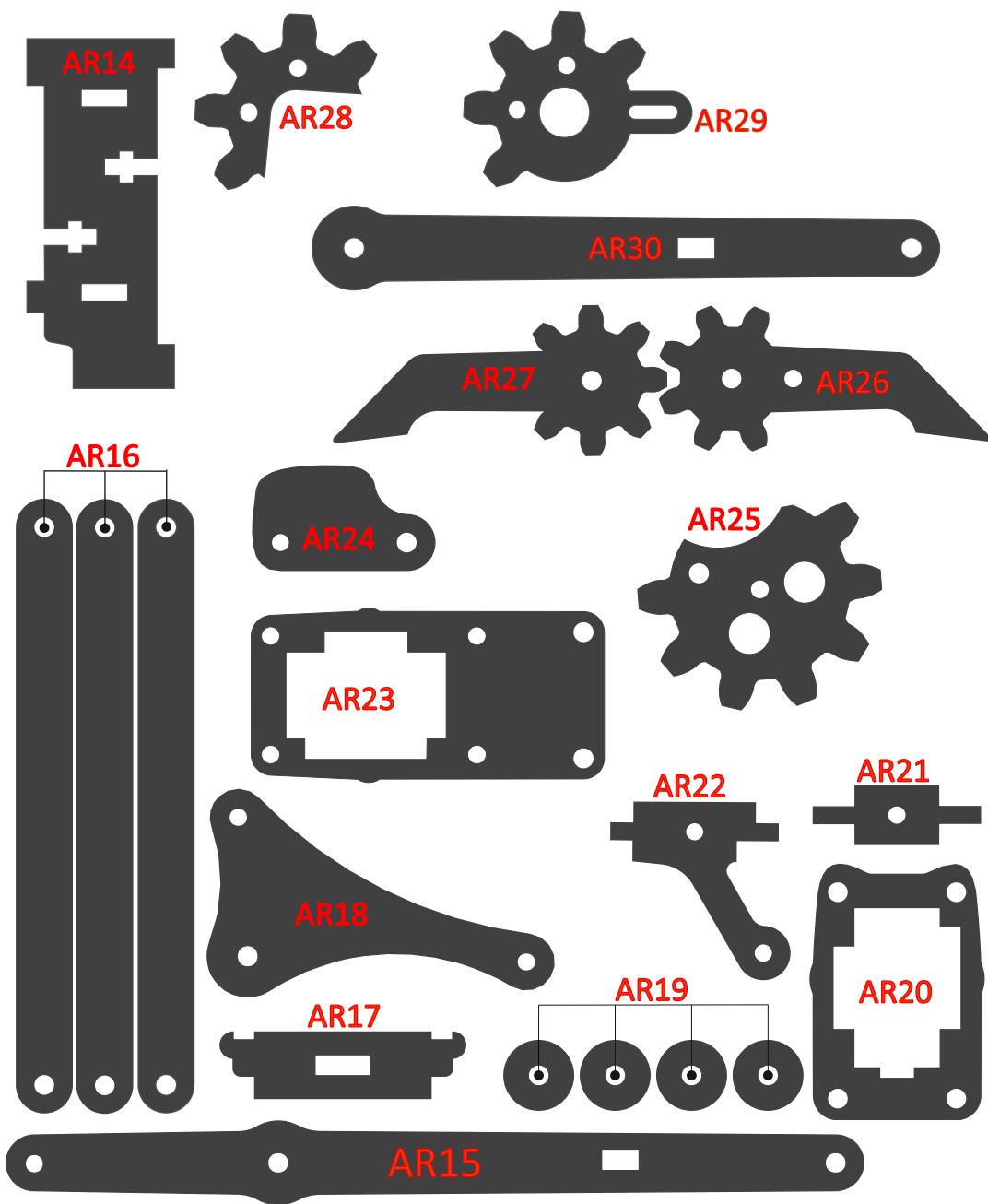
Robotic Arm Assembly Guide



Part list



Part list



Aseembly Steps - Tuning up the servo motors.

Servo Motor Position Adjustment

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 unntit 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 untilit 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.

Aseemby Steps - Before getting started

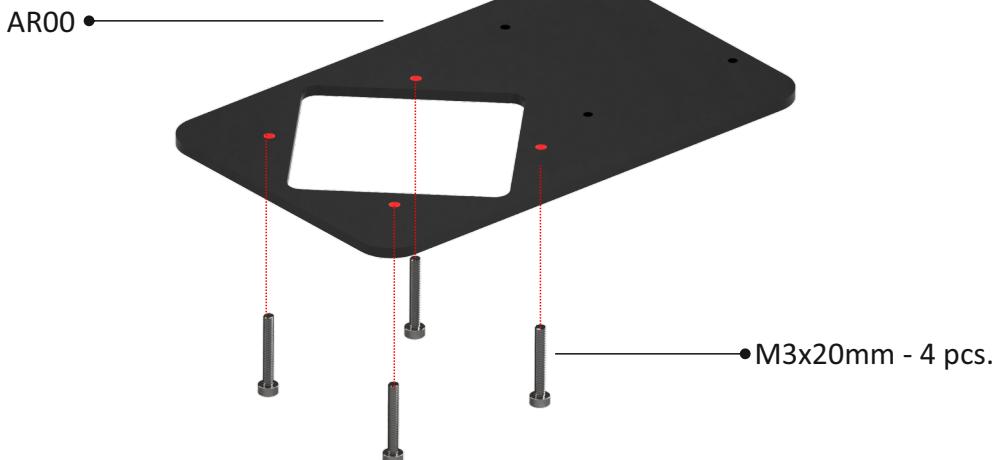
These are the needed fastener components and their quantity for building your robotic arm. 2.5 screwdriver is needed for construction components. additional screw's for servo motor mounting and servo horns are included in their specific package.

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.

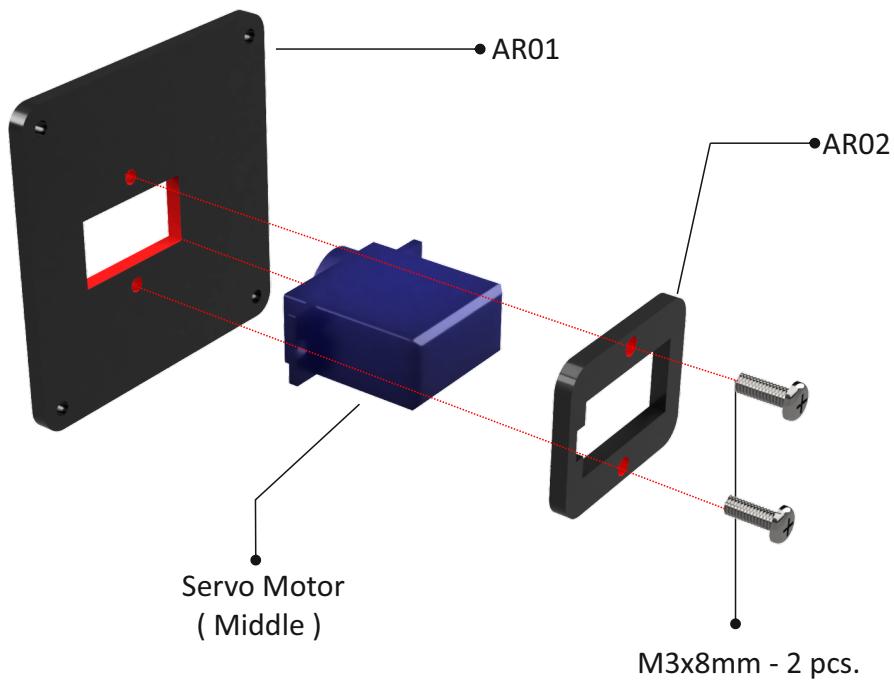
* The dimensions of fasteners are 1/1 scale if this document printed in A5 booklet format.

Aseembly Steps

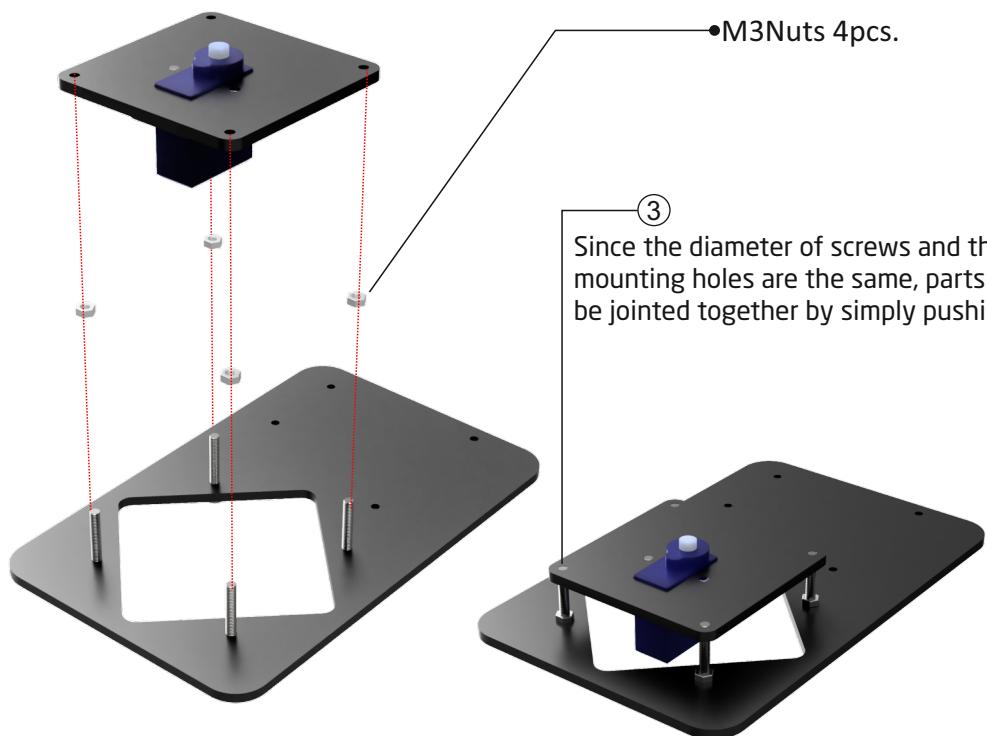
①



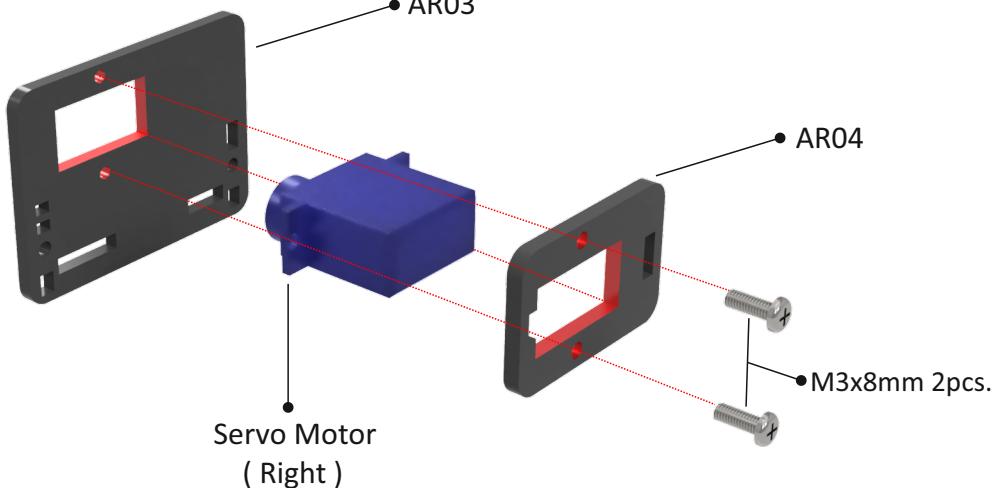
②



Assembly Steps

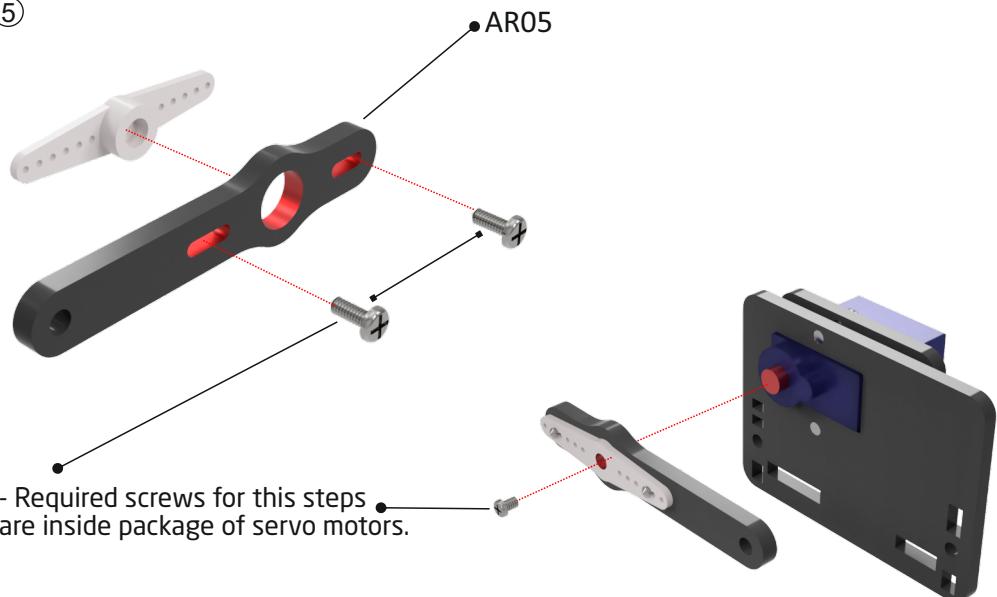


④

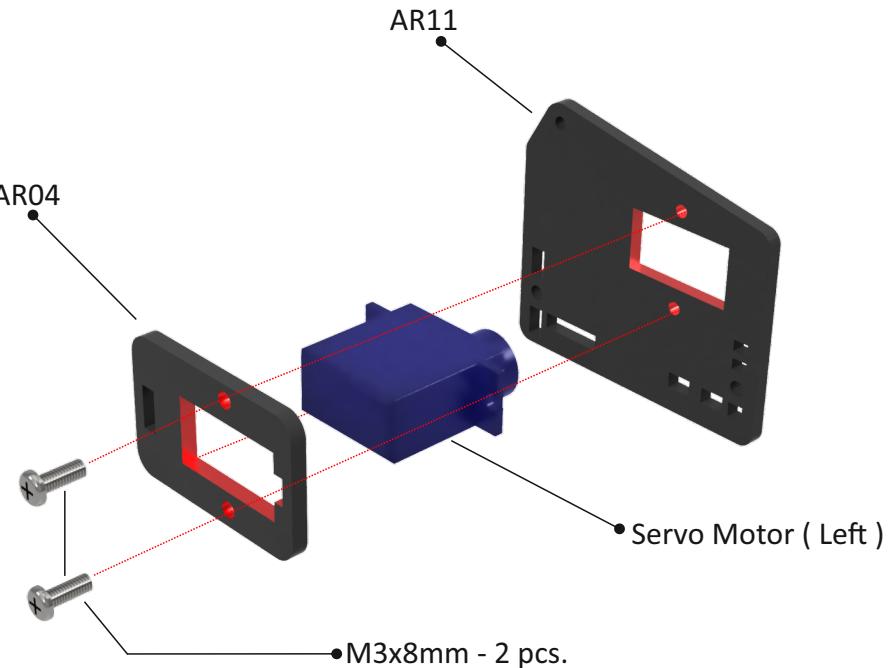


Aseemby Steps

⑤

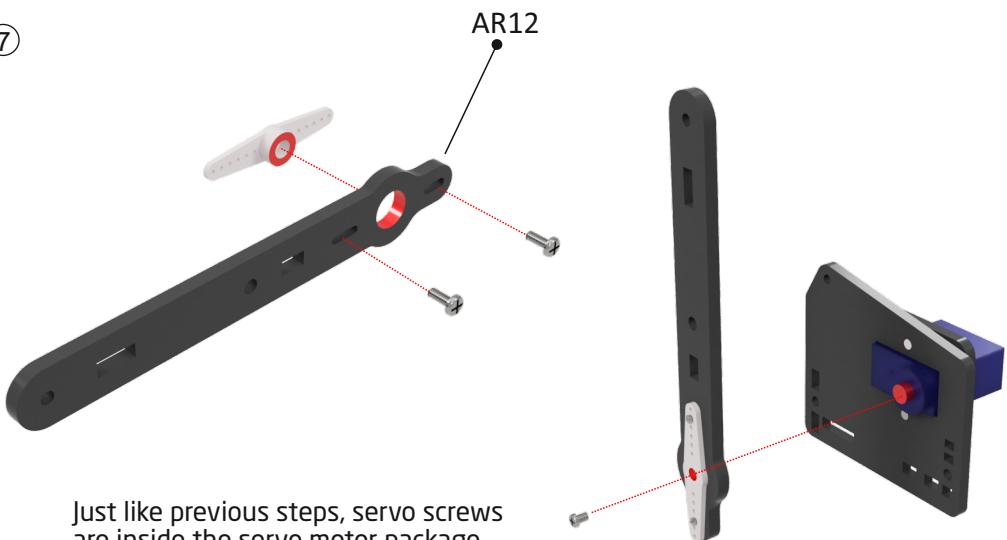


⑥

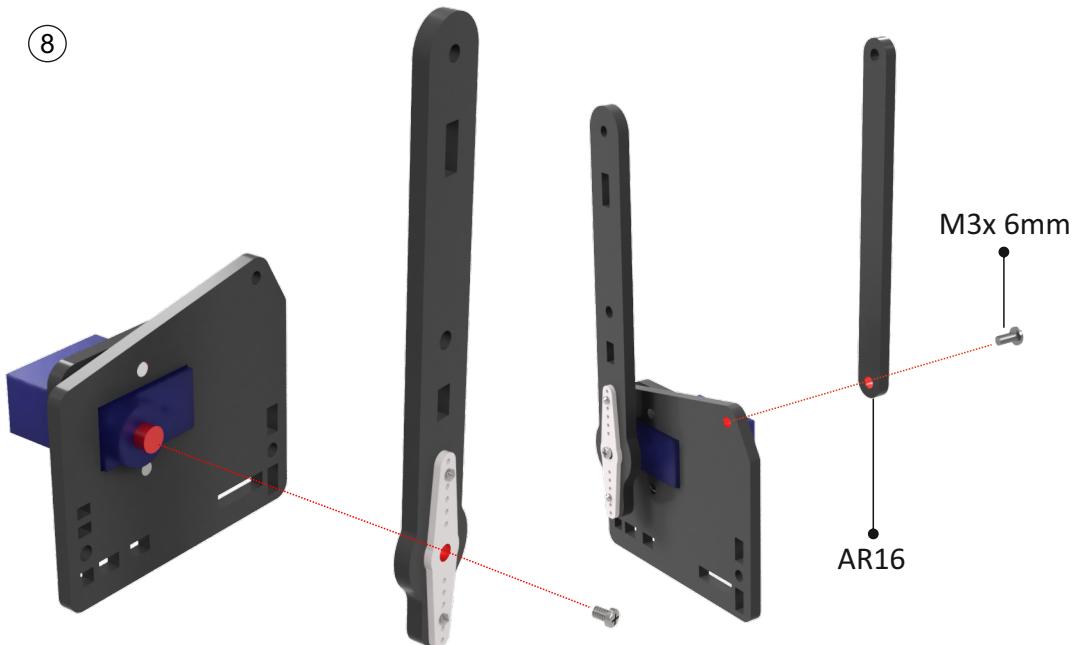


Assembly Steps

⑦



⑧



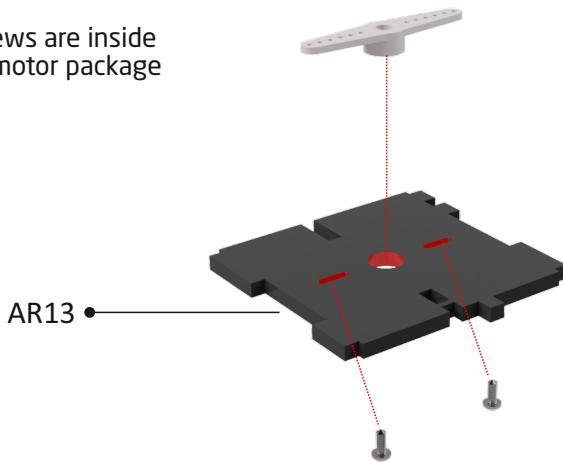
Assembly Steps

⑨



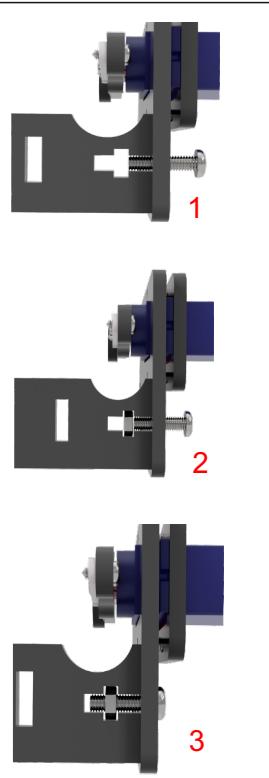
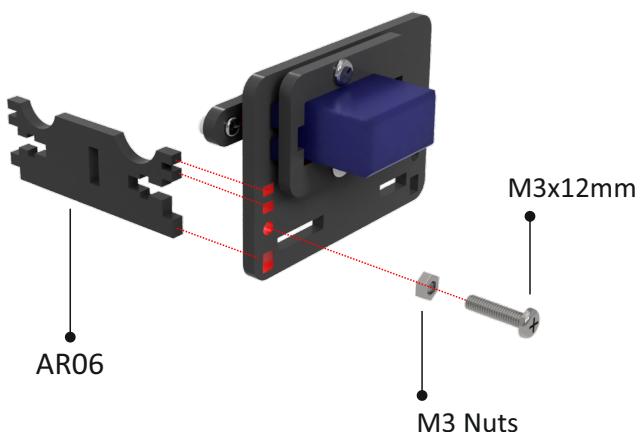
⑩

*servo screws are inside
the servo motor package



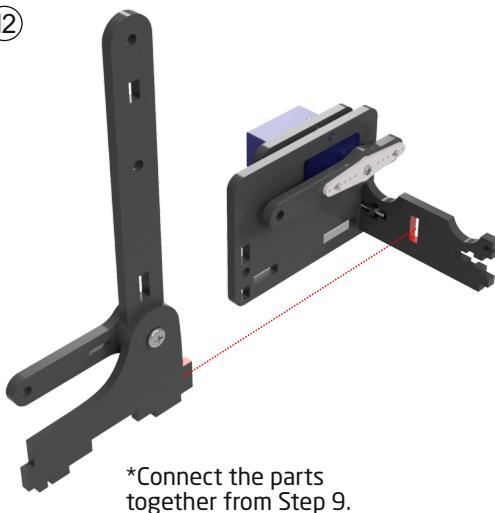
Assembly Steps

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

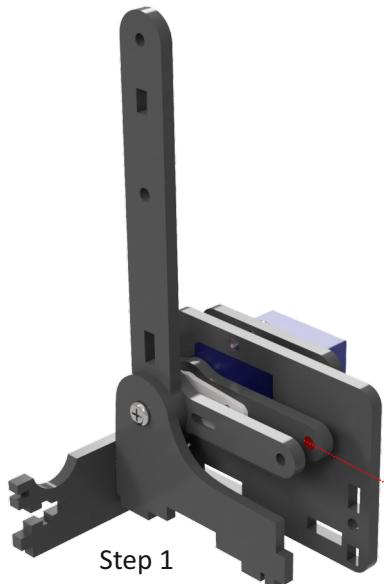


*Connect the parts together from Step 9.

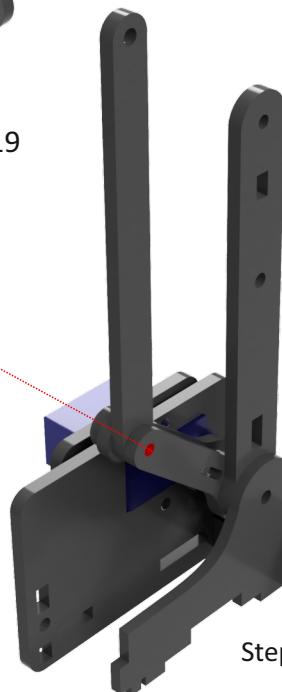


Assembly Steps

⑬



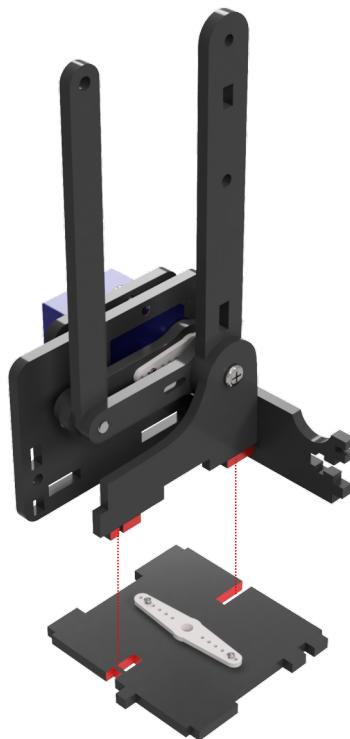
M3x12mm



*In order to put together **AR16** and **AR19** its recommended to lift these parts a little bit then use **M3x12mm** screw to tighten them

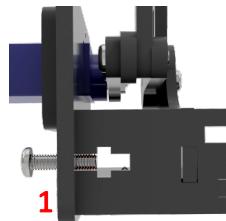
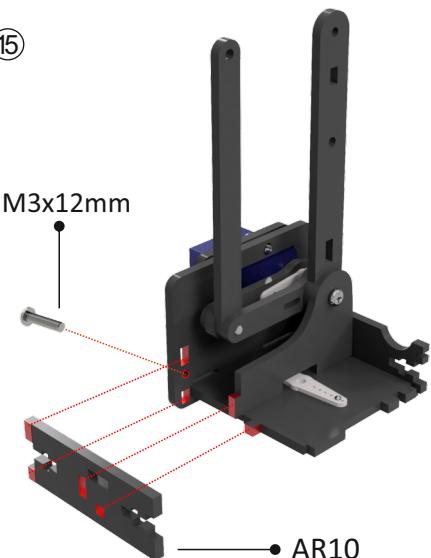
Assembly Steps

⑯

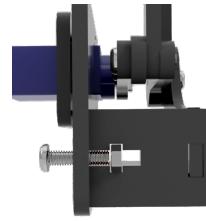


*Connect the parts together from Step 10.

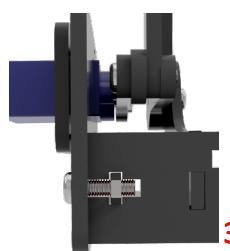
⑯



1



2

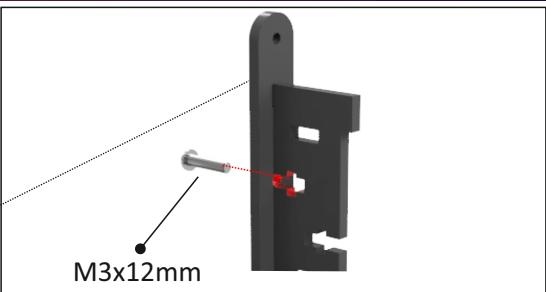
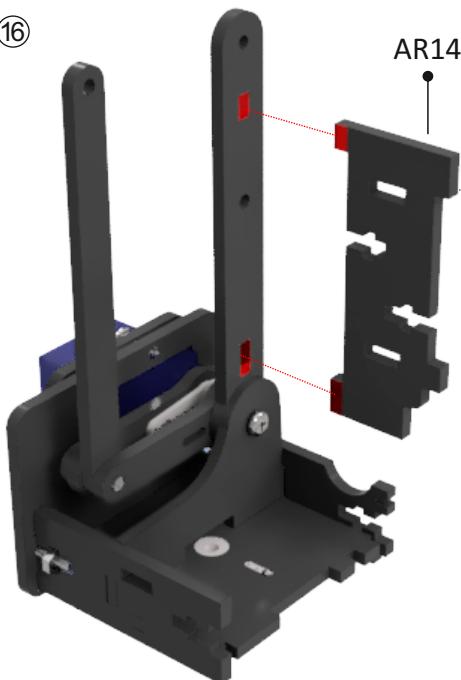


3

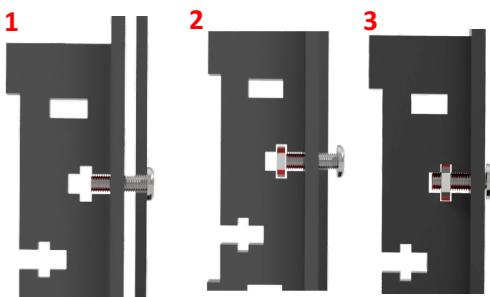
In order to connect the parts together properly, first insert the screw (1). then put nut inside the referenced nesting (2) then its safe to tighten screw (3).

Aseembly Steps

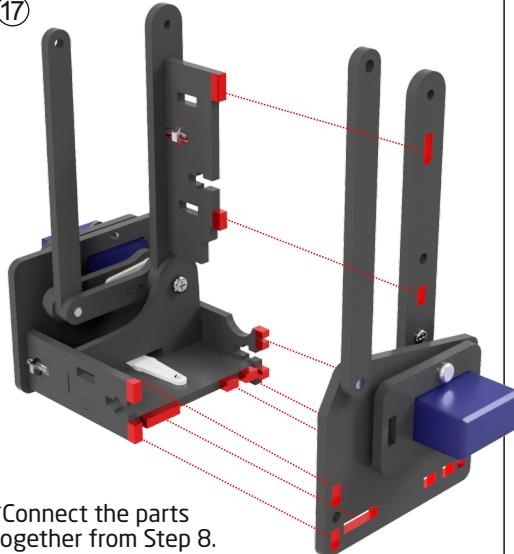
⑯



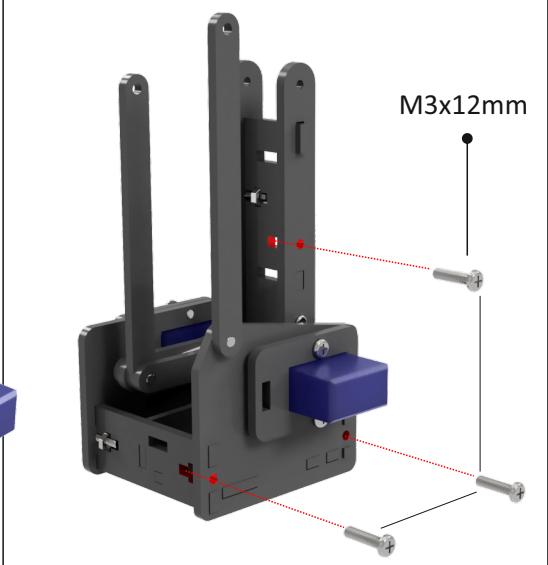
In order to connect the parts together properly, first insert the screw (1), then put nut inside the referenced nesting (2) then its safeto tighten screw (3).



⑰

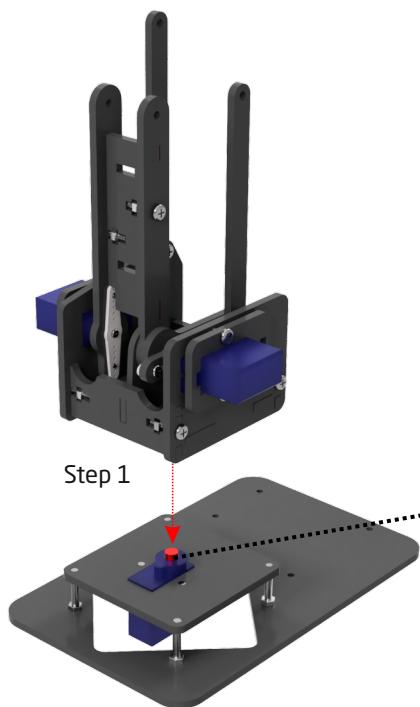


*Connect the parts together from Step 8.

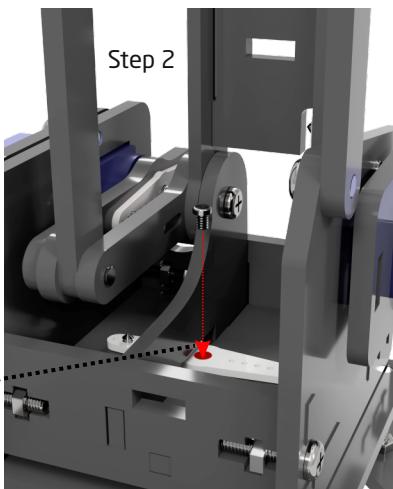


Aseemby Steps

⑯

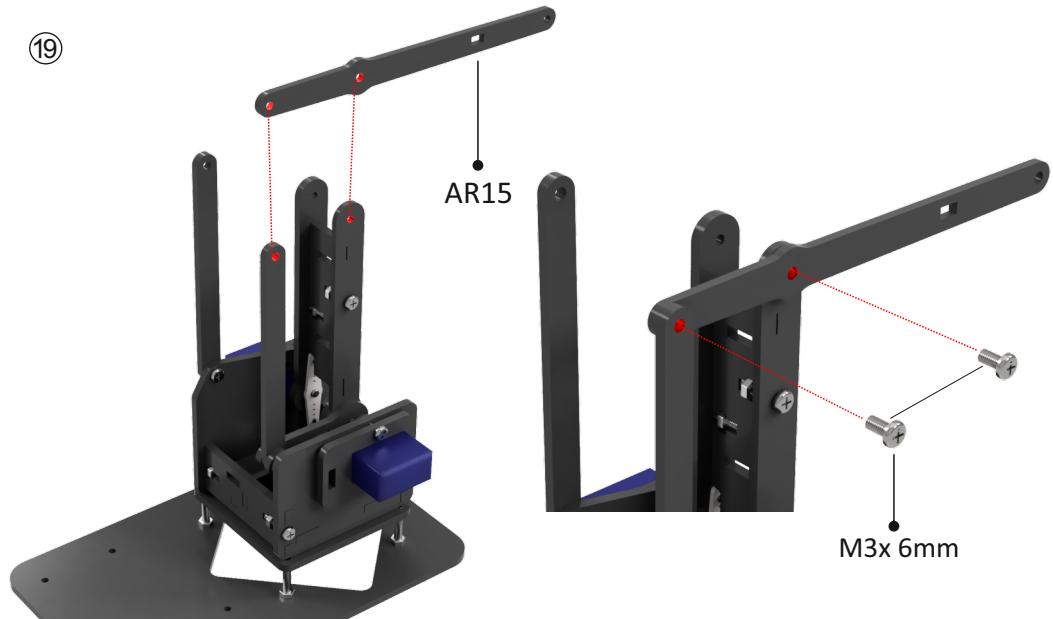


Step 2



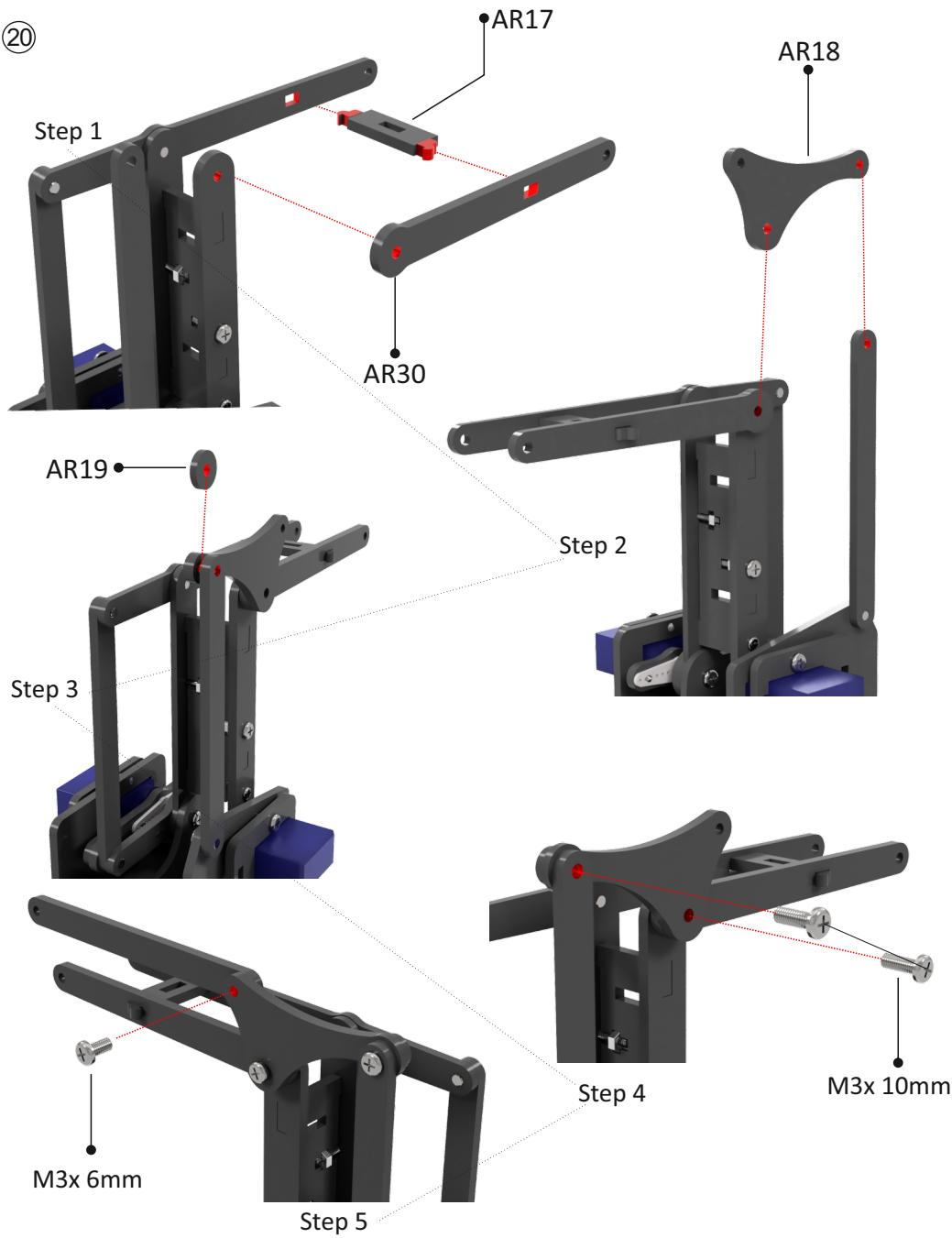
*Connect the upper and lower parts then use a servo screw to tight them together.

⑯



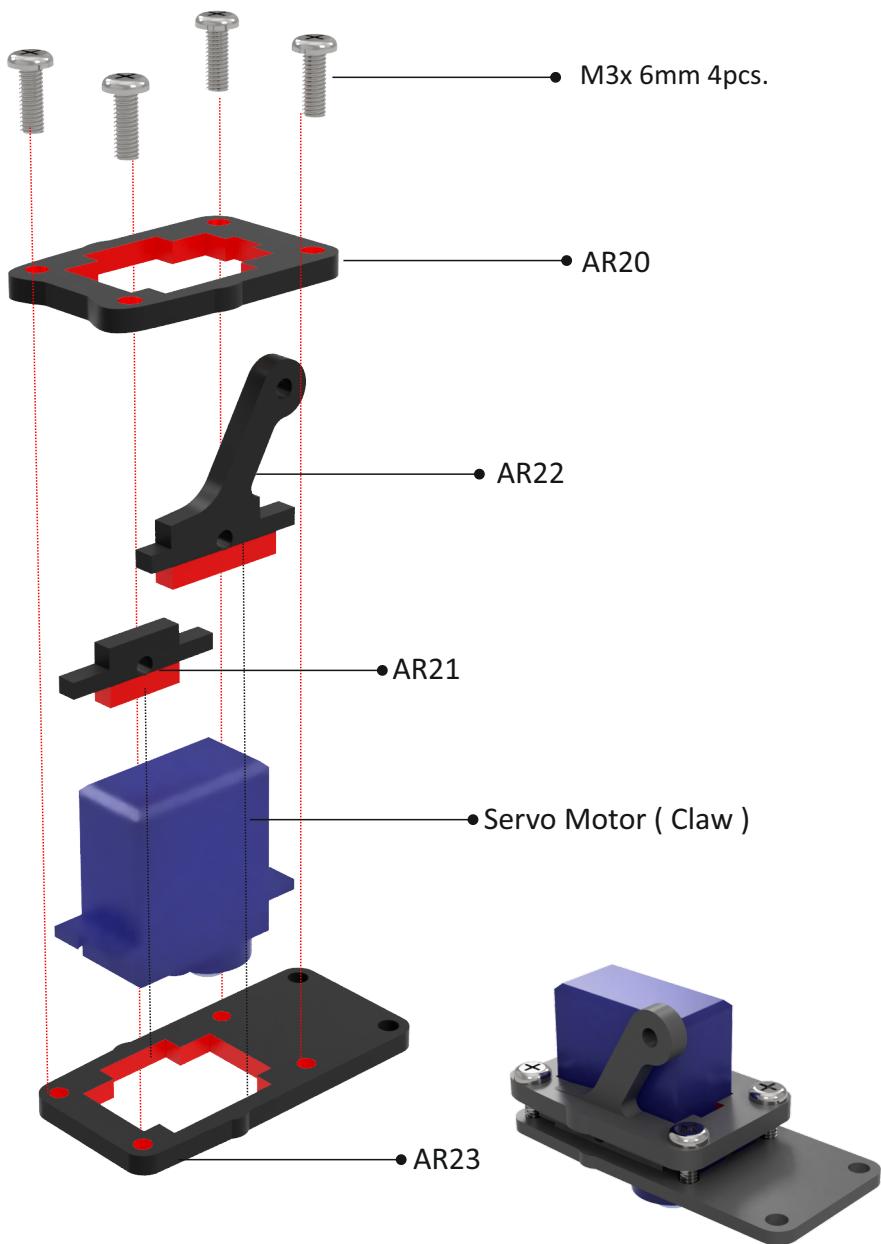
Aseemby Steps

(20)



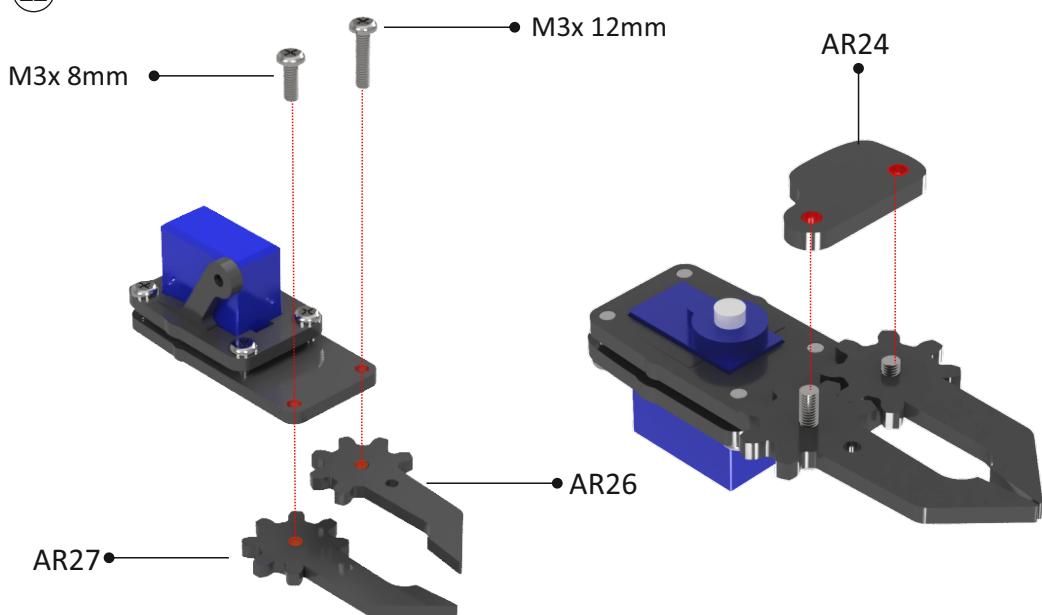
Aseembly Steps

(21)

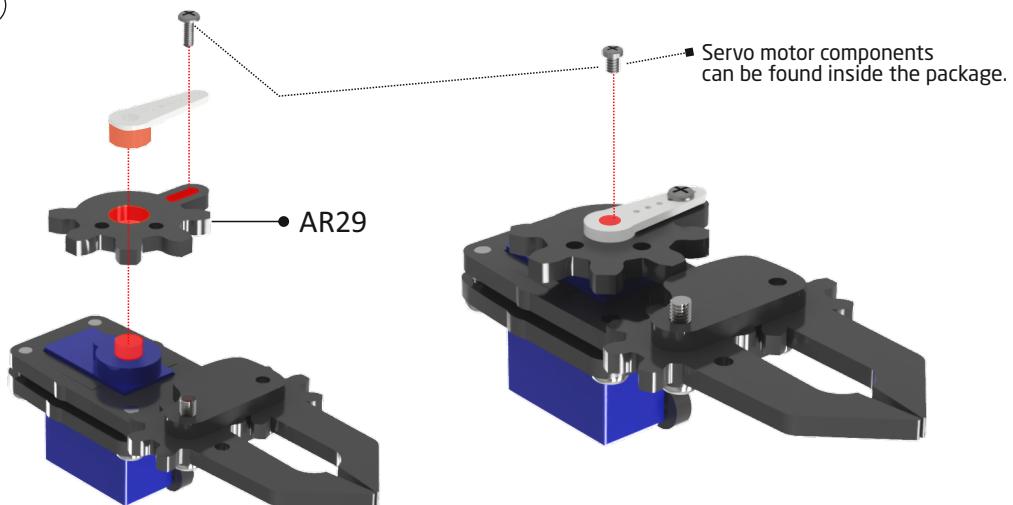


Assembly Steps

(22)

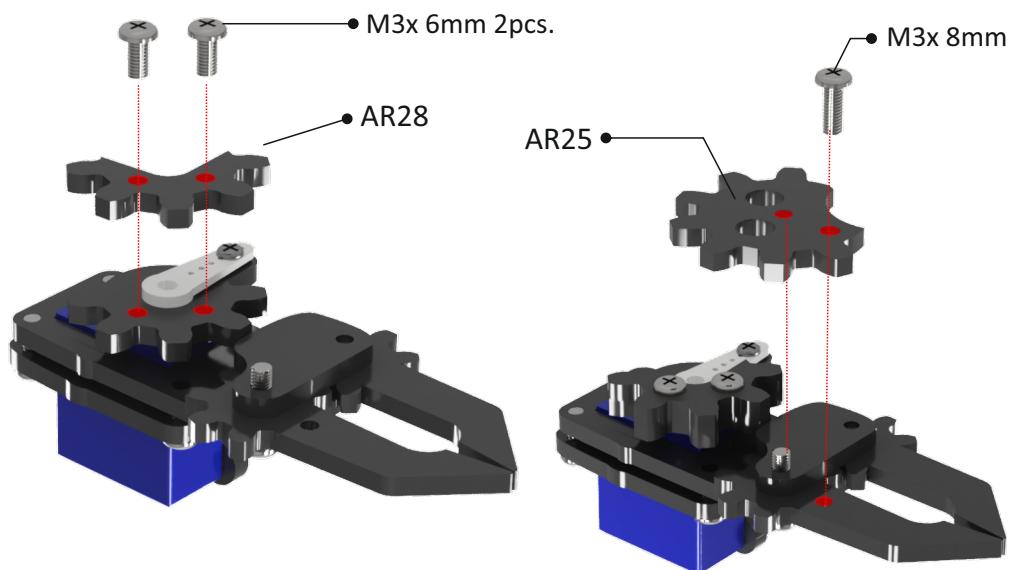


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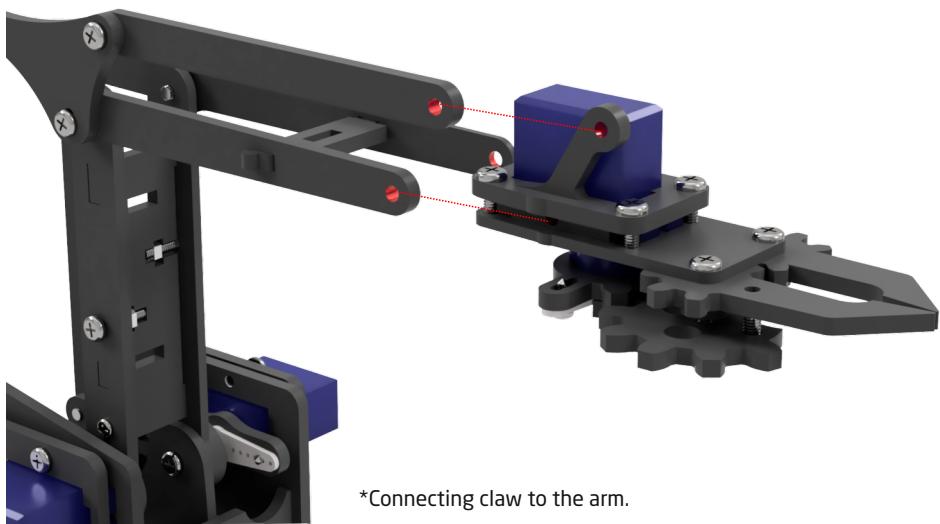


Assembly Steps

24

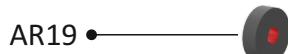


25

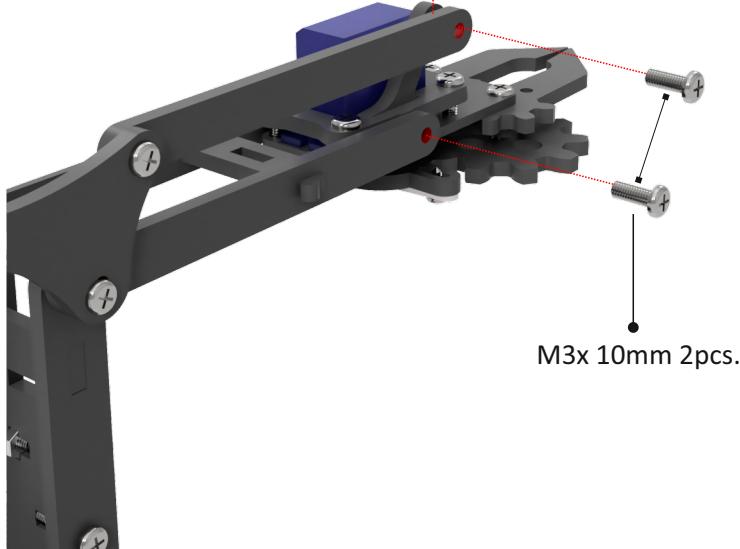


Assembly Steps

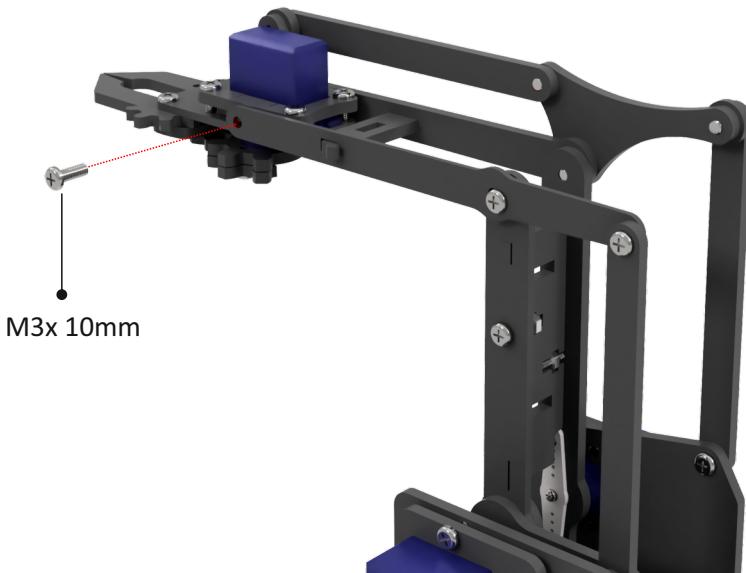
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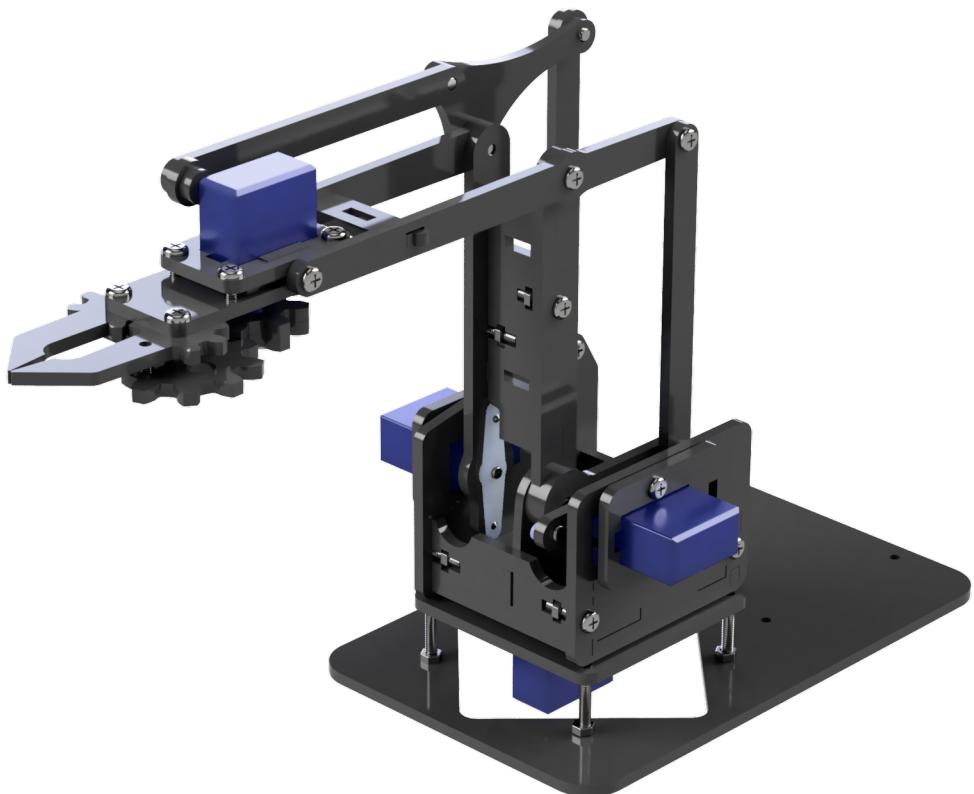
*Put AR19 first then
tighten the screws.



(27)



Aseemby Steps



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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