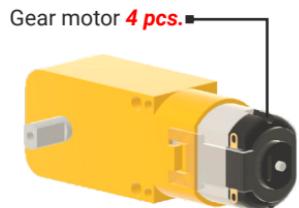
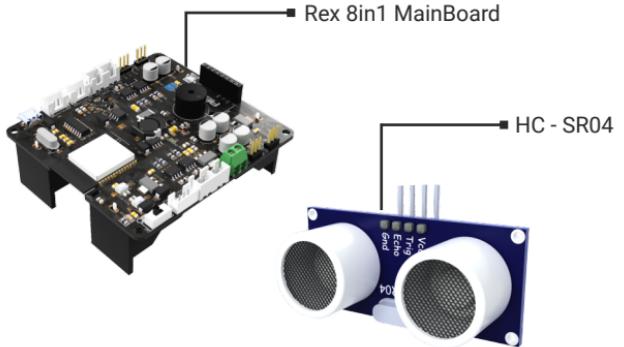




Required Components to build TrackerBot



Gear motor wheel **4pcs.**



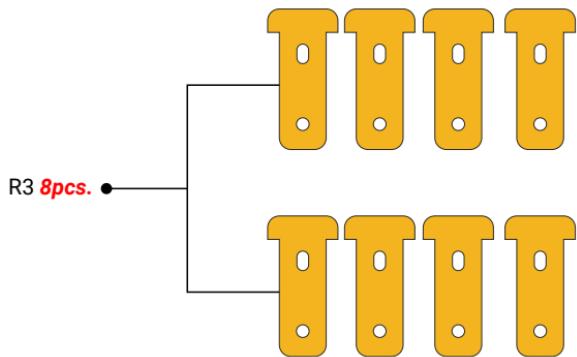
Servo Motor (MG90)



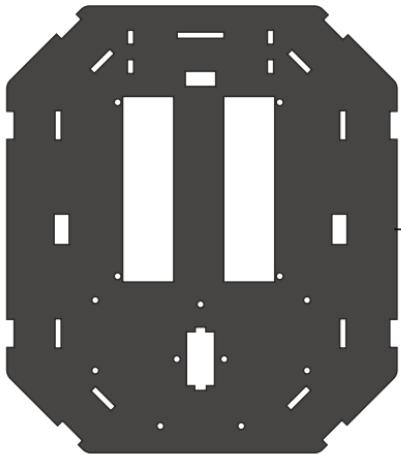
Converter Board

- M3 Cap Nuts **3 pcs.**
- M3 Nyloc Nuts **3 pcs.**
- M3 Nuts **18 pcs.**
- M3 x 6mm screw **4 pcs.**
- M3 x 8mm screw **16 pcs.**
- M3 x 12mm screw **4 pcs.**
- M3 x 15mm screw **1pcs.**
- M3 x 30mm screw **8 pcs.**
- M3 x 25mm female spacer **8 pcs.**
- M3 x 25mm Female - male spacer **4 pcs.**
- M3 x 12mm female spacer **8 pcs.**
- M3 x 7mm female spacer **8 pcs.**
- M3 x 6mm female - male spacer **4 pcs.**
- M3 x 5mm female - male spacer **3 pcs.**

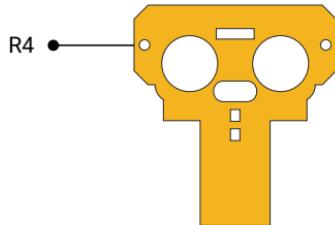
Required Parts



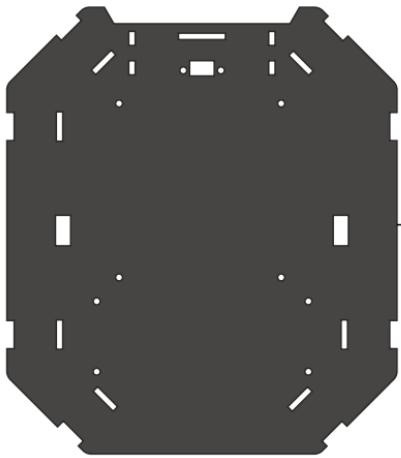
R3 **8pcs.**



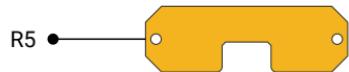
R1



R4



R2

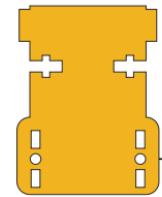
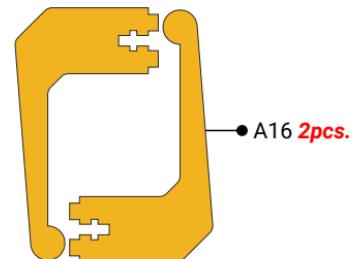
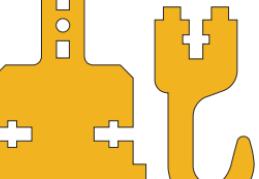
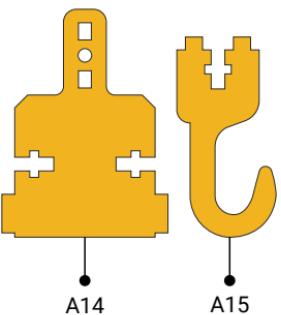
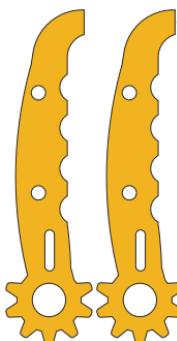
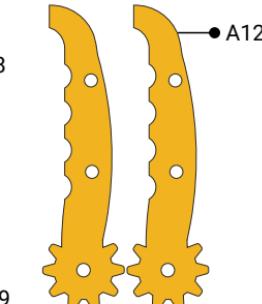
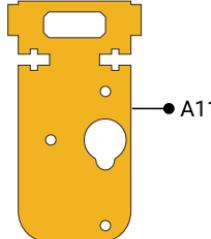
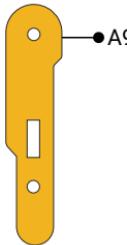
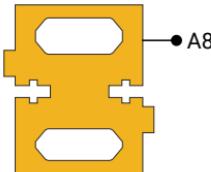
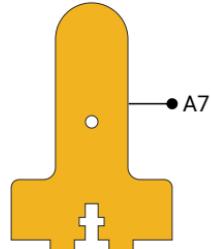
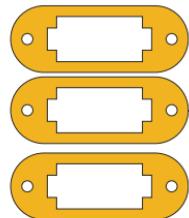
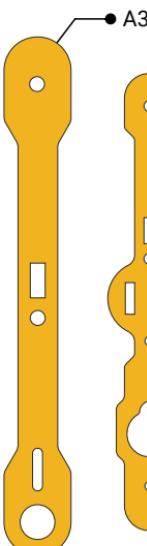
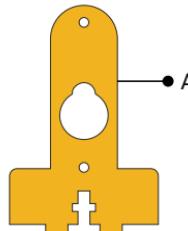
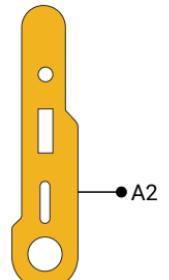
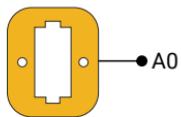
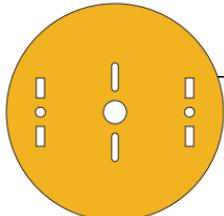


R5



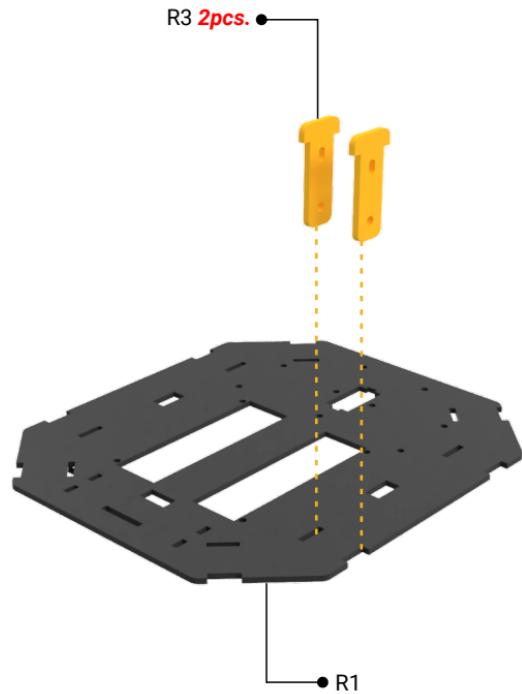
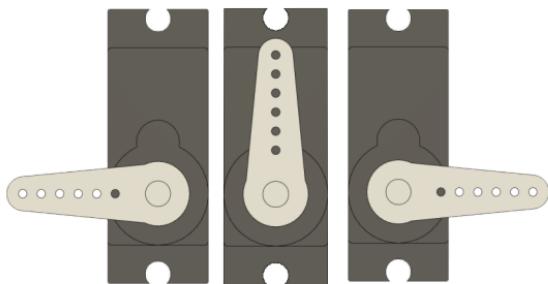
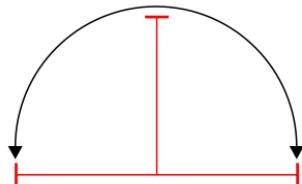
R6

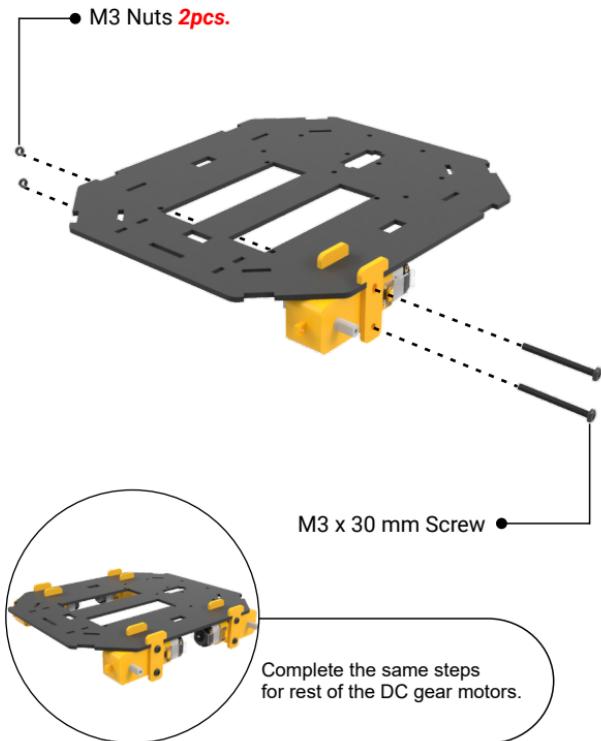
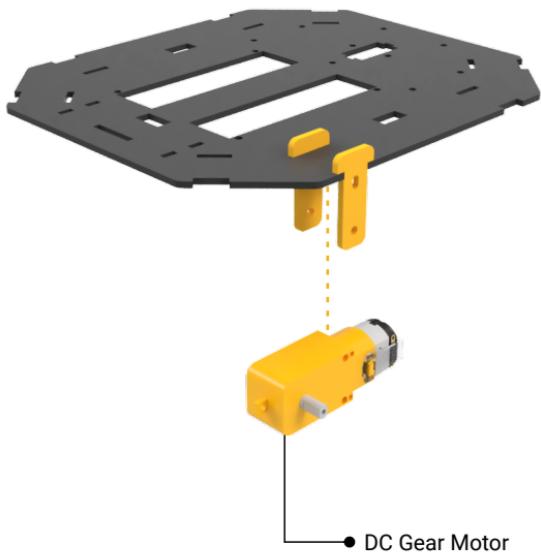
Required Parts (Robotic Arm)

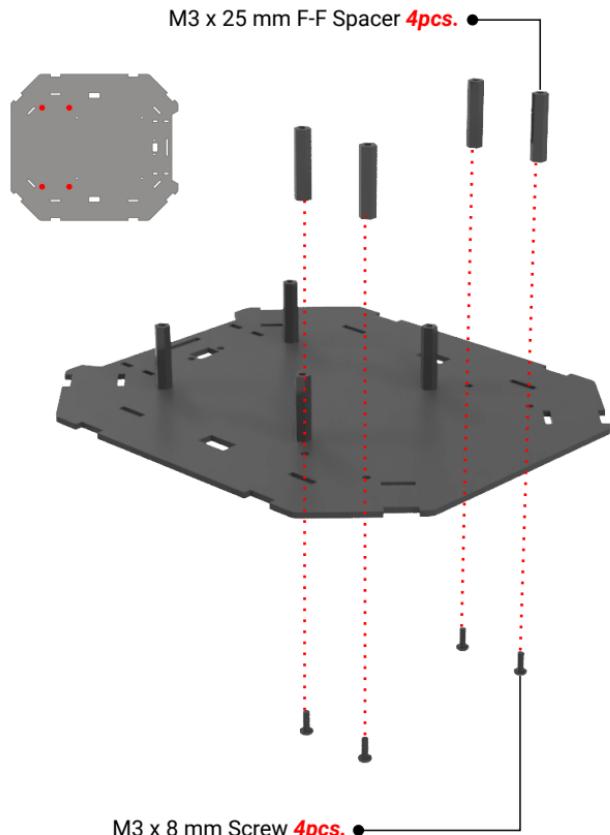
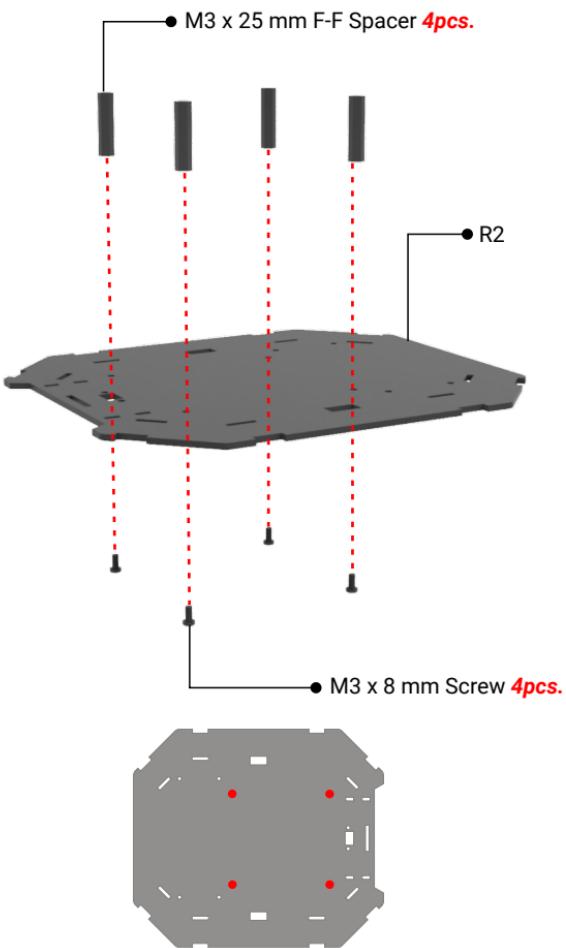


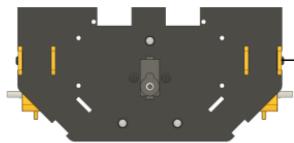
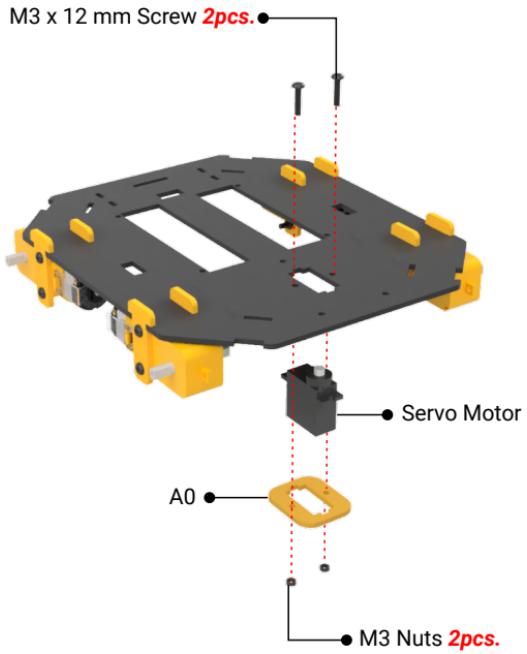
Calibrating the Servo Motors.

To ensure that the Robotic Arm operates smoothly, it is crucial to calibrate the servo motors properly. There are various methods that can be used to achieve this, and the provided library code is just one of them. It is essential to follow the instructions provided and make sure that the servo motors are calibrated correctly, as demonstrated in the images below.

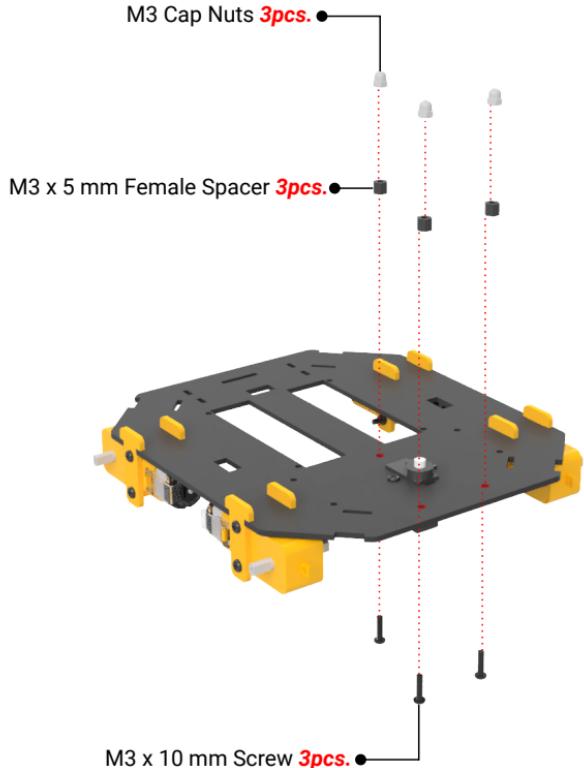


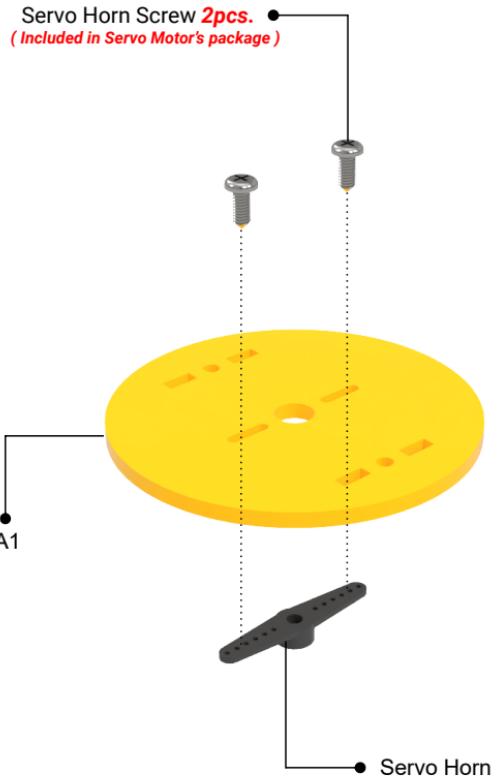
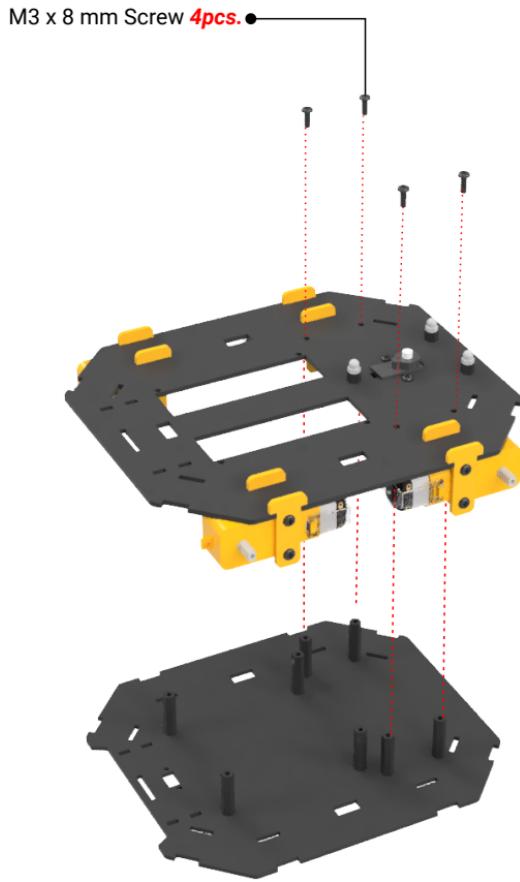


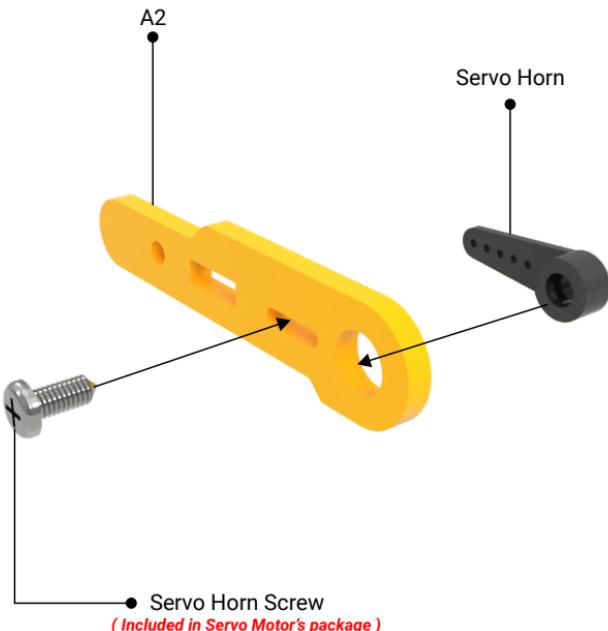


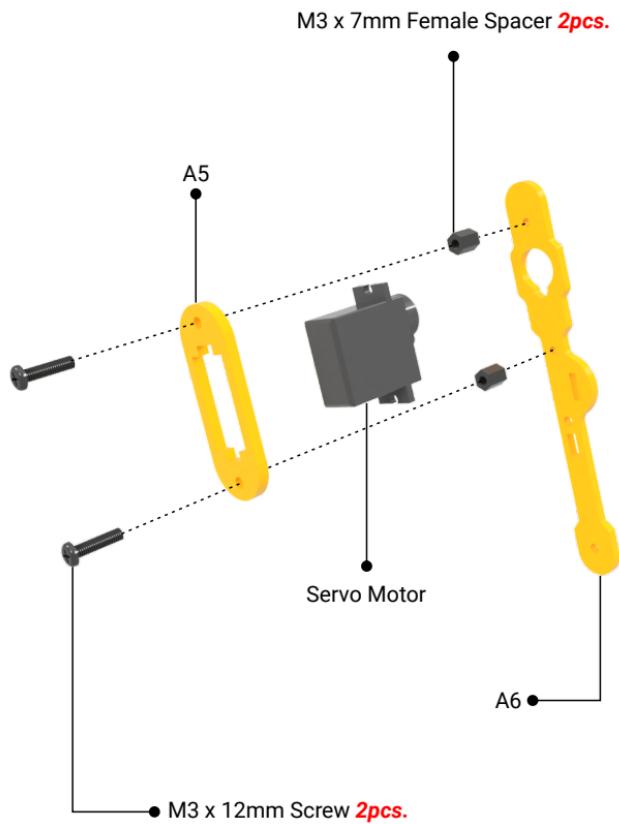
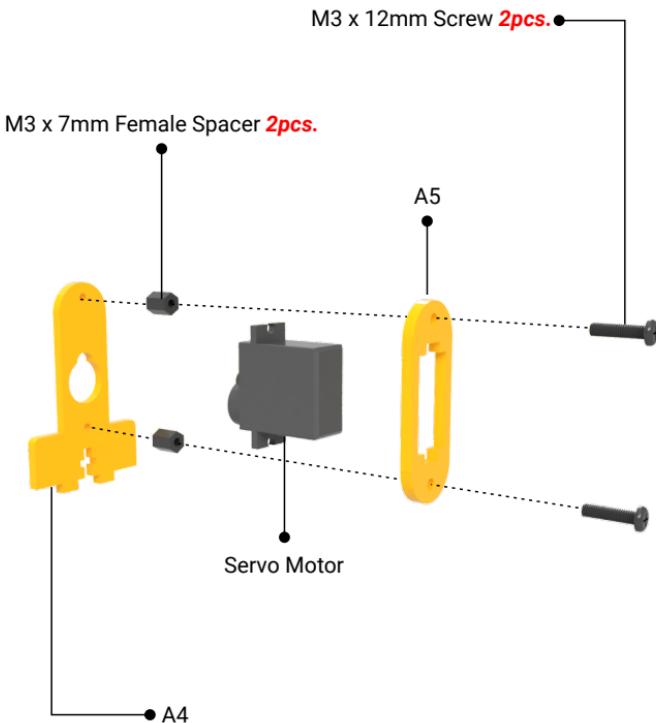


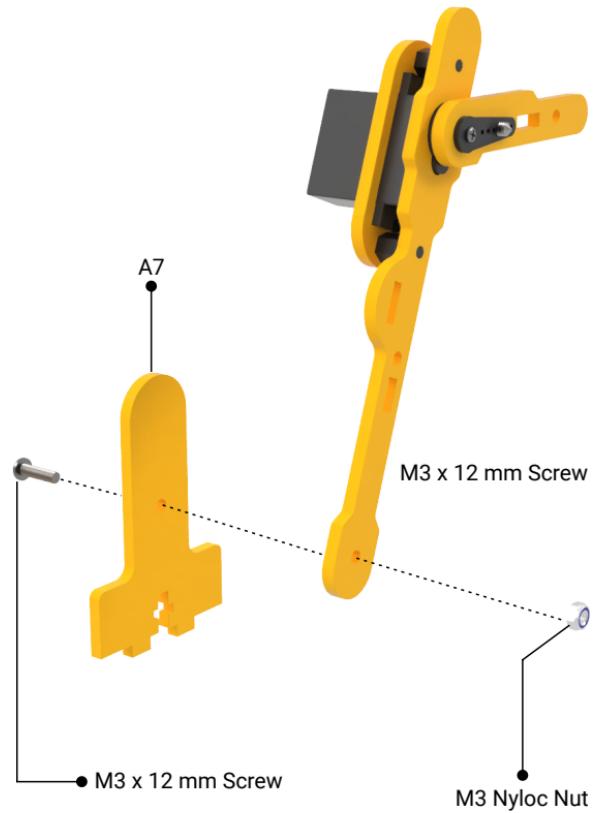
● Make sure serve motor facing direction is same as in image.

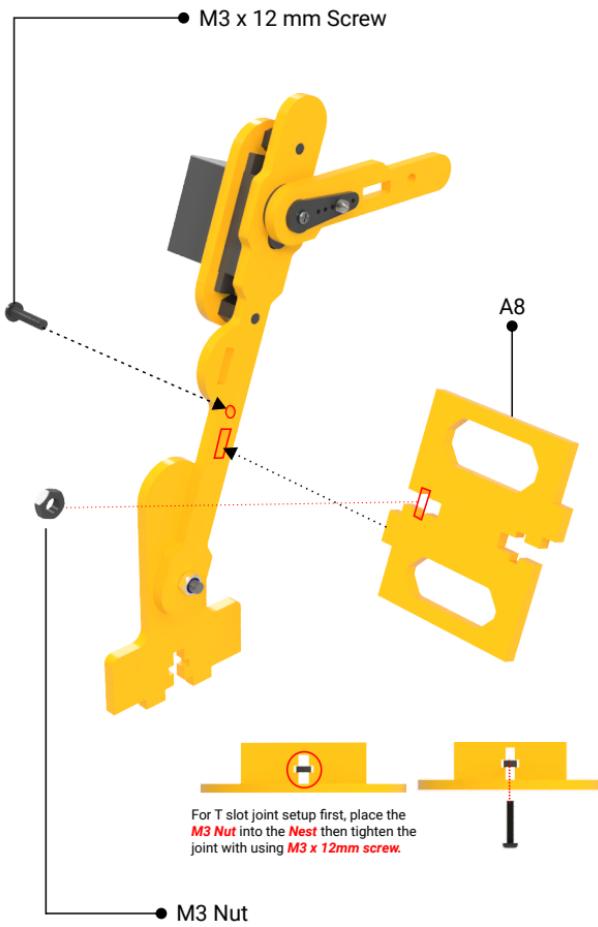


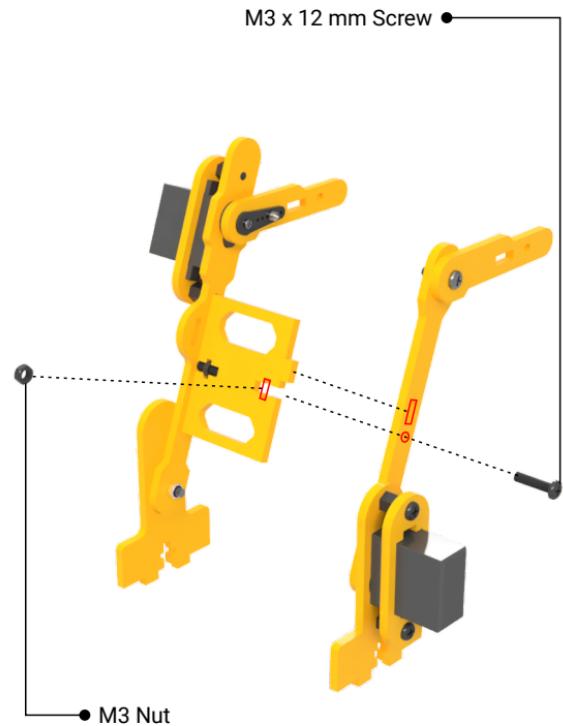




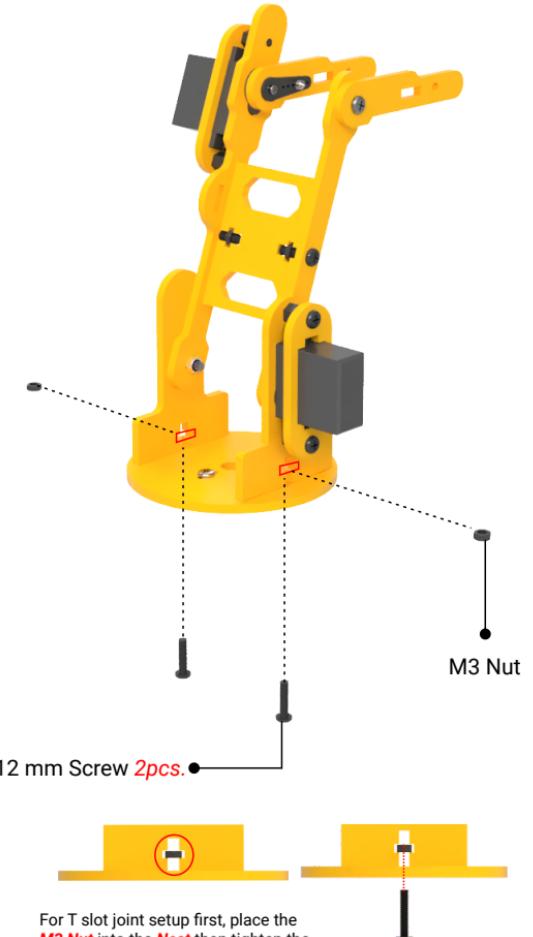
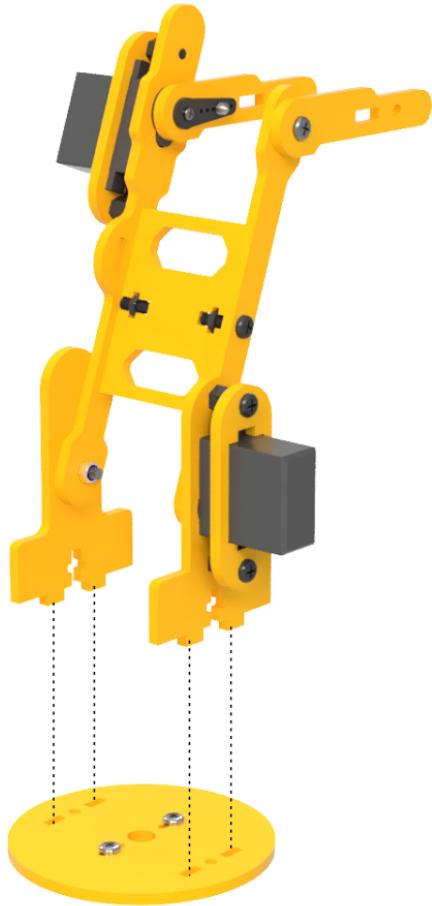




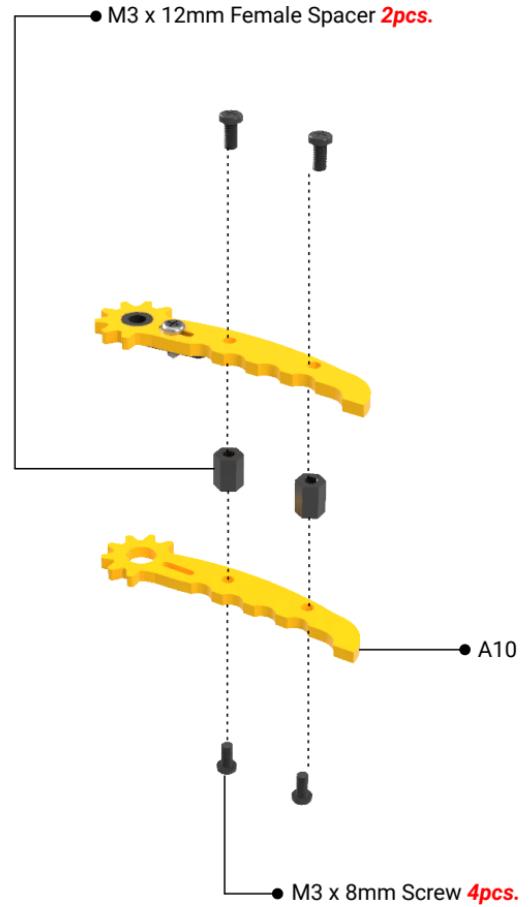
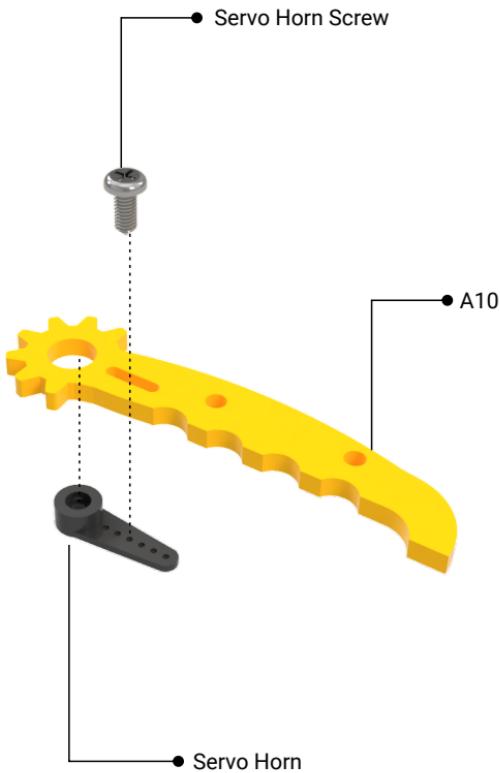


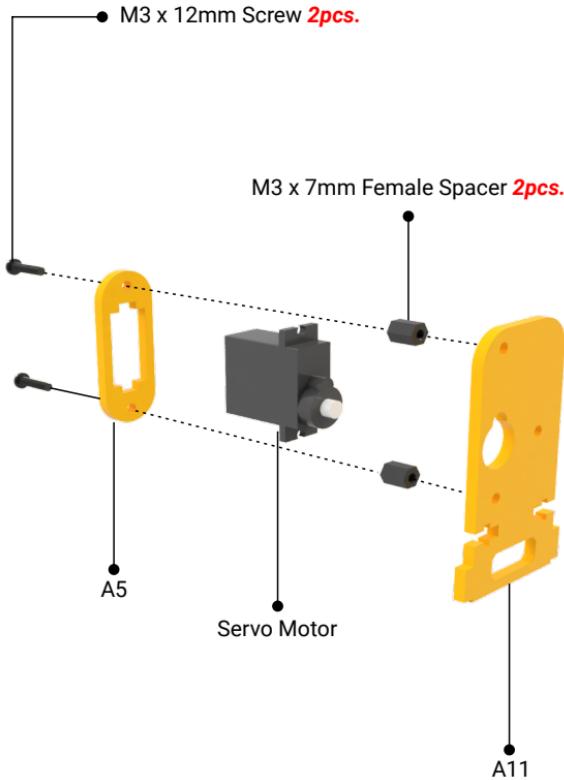


For T slot joint setup first, place the **M3 Nut** into the **Nest** then tighten the joint with using **M3 x 12mm screw**.



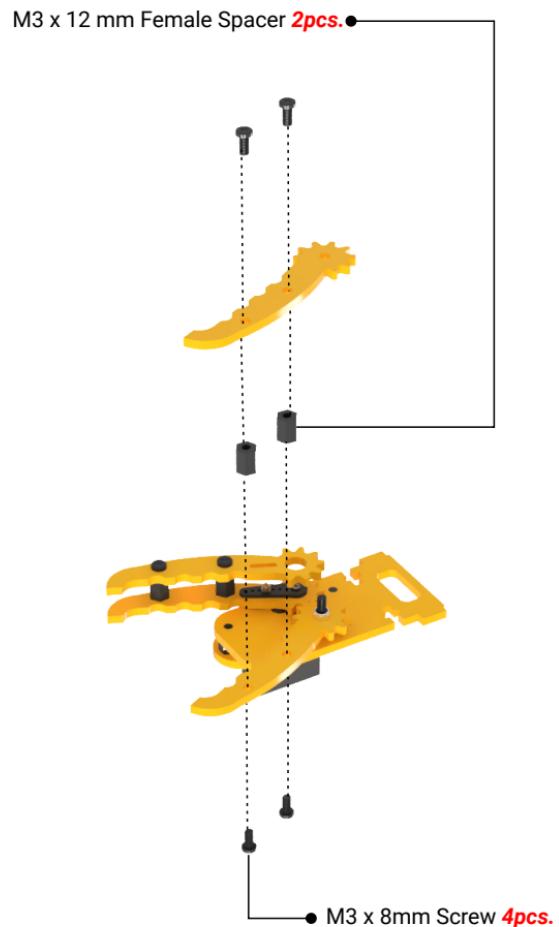
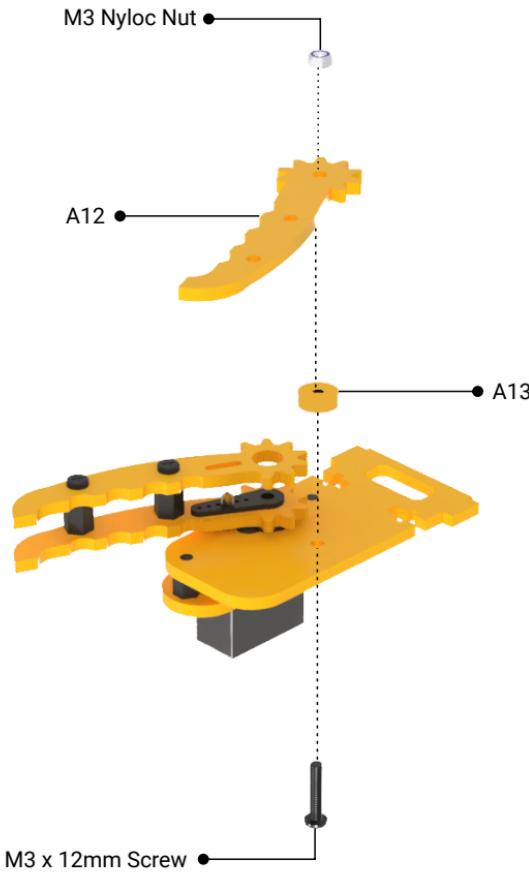
For T slot joint setup first, place the
M3 Nut into the **Nest** then tighten the
joint with using **M3 x 12mm screw**.

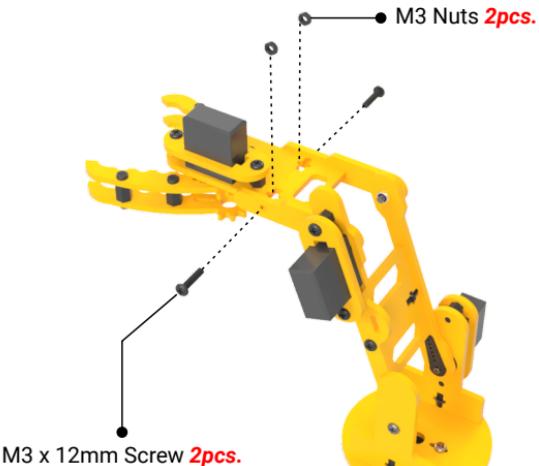
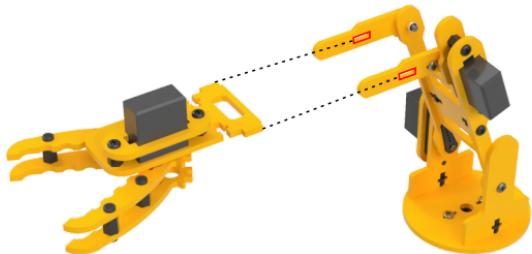




Servo Mounting Screw
(Included in Servo Motor's package)







For T slot joint setup first, place the
M3 Nut into the **Nest** then tighten the
joint with using **M3 x 12mm screw**.

