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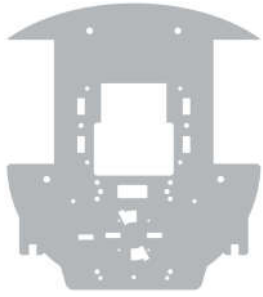
PBOT JUNIOR: Assembly Manual


An Entry Level Mobile Robot

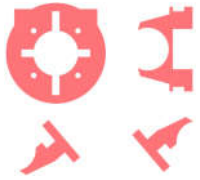



Proudly Made in the Philippines


MATERIALS:


[Body] 


[Front Deck] 

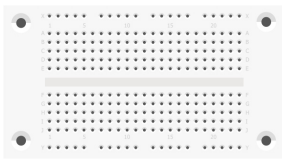
[Roller Holder] 

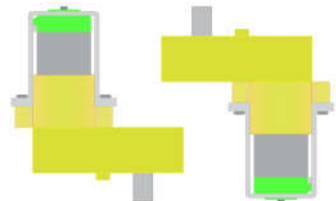
[Battery holder] 

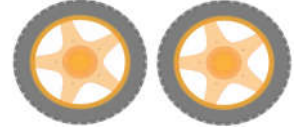
[Spoiler] 


[Board Chassis] 

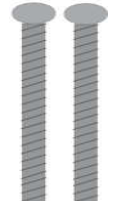
[Motor Holder] 

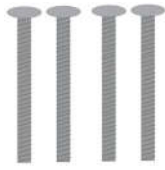
[SYB-46 Breadboard] 


6VDC Motors [2pcs] 


Wheels[2pcs] 

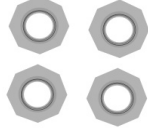
4pins wires 


3x20mm[2] 


2x25mm [4] 


2.5mm[4] 


3x16mm[4] 


3mm[4] 


Spacers[5] 


3x14mm 

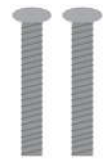
3x10mm[2] 

3x6mm[8] 

1x6mm screws[4] 

Roller Ball 

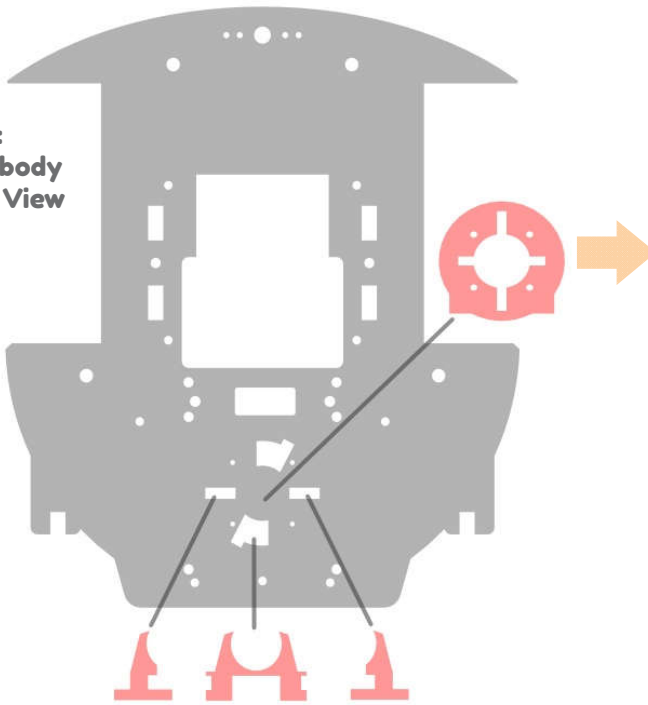
3x10mm [4] Brass studs 

3x12mm[2] 

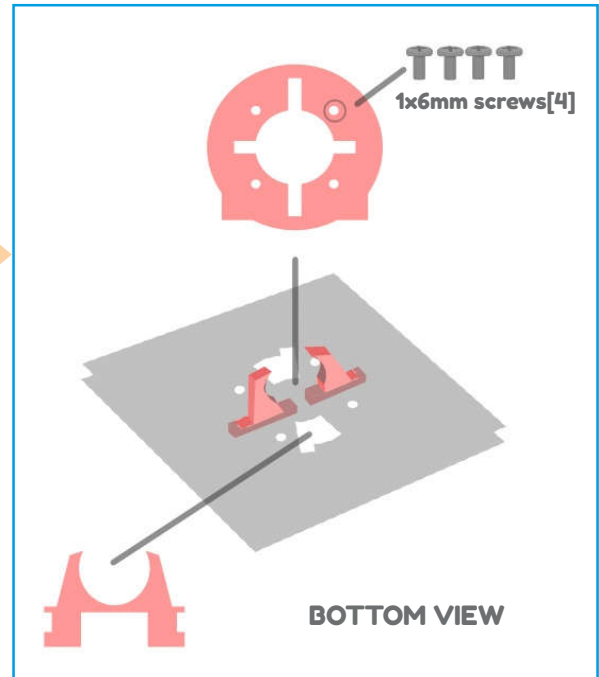
FIRST STEP: The Roller Holder

1

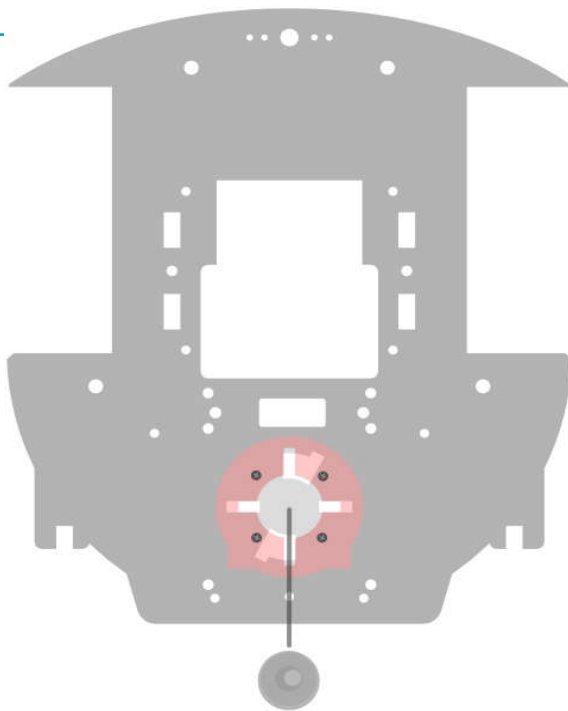
Chassis:
Acrylic body
Bottom View



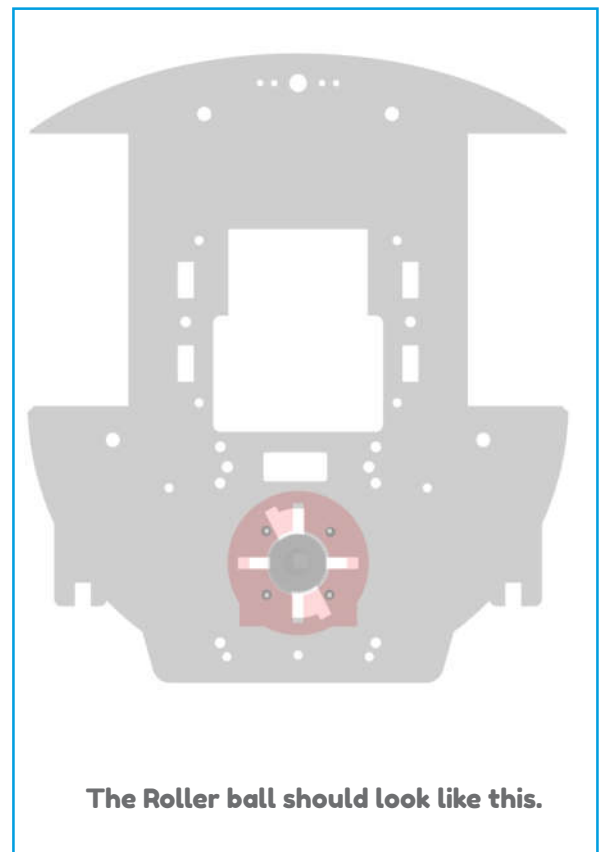
Roller Holder accessories



2



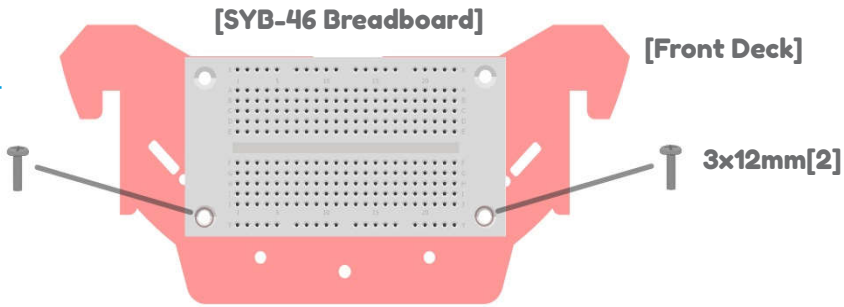
Place the Roller Ball inside of it.



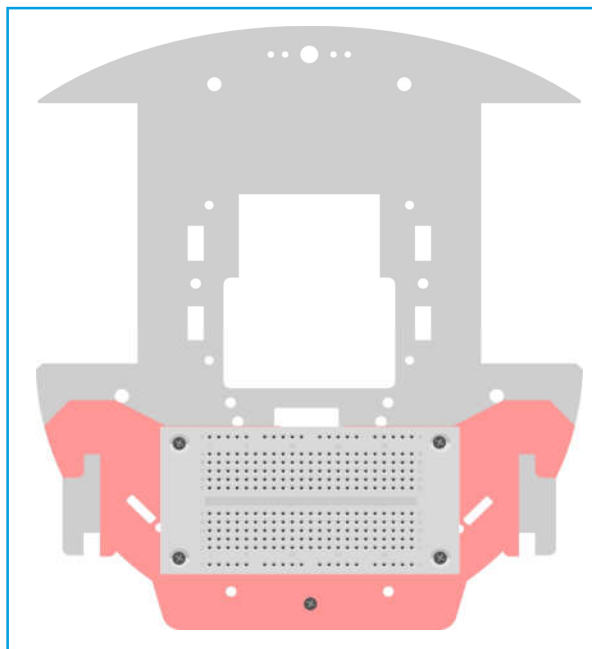
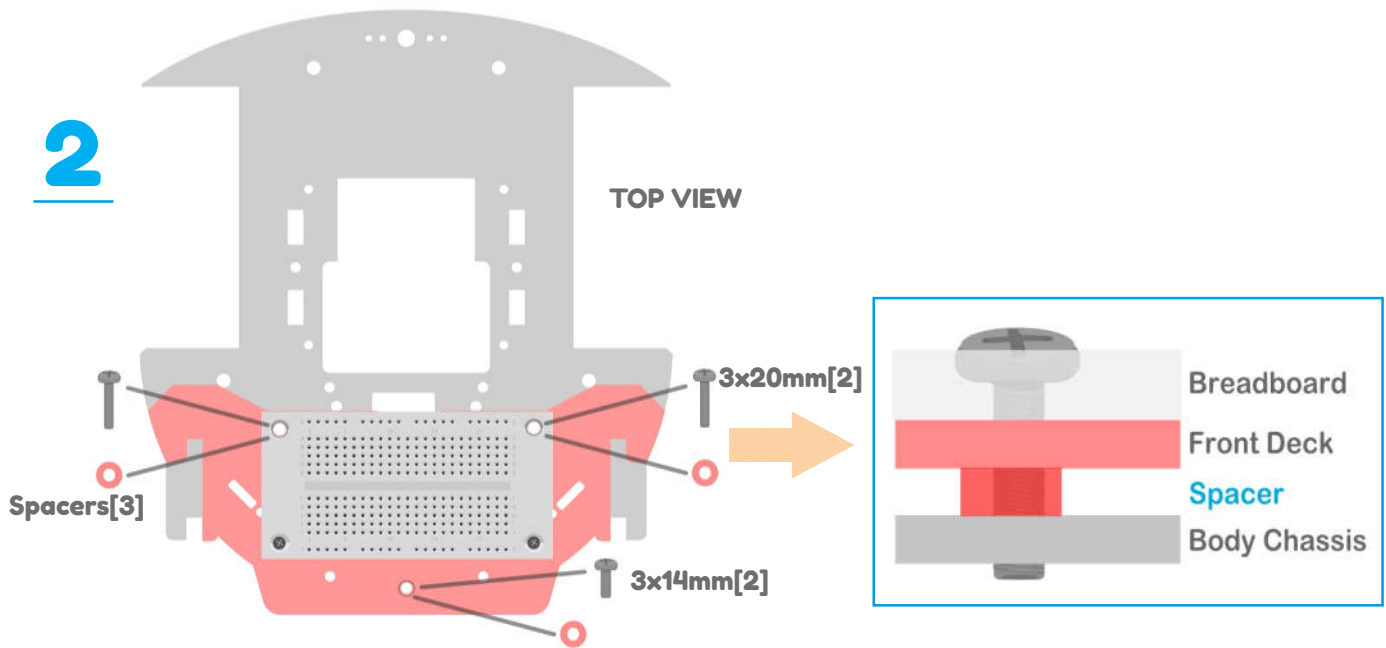
The Roller ball should look like this.

SECOND STEP: Placing the breadboard

1



2

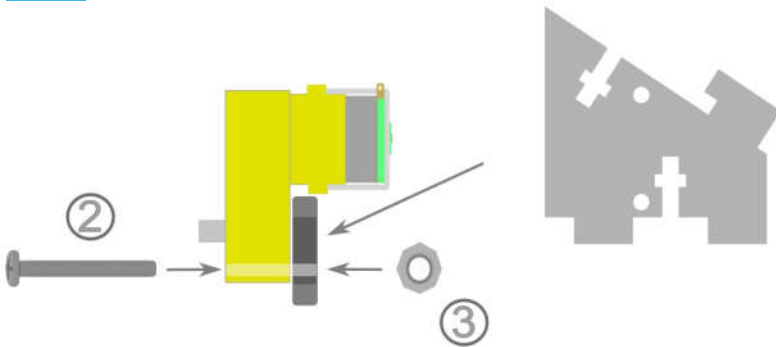


THIRD STEP: Constructing the Motors

1

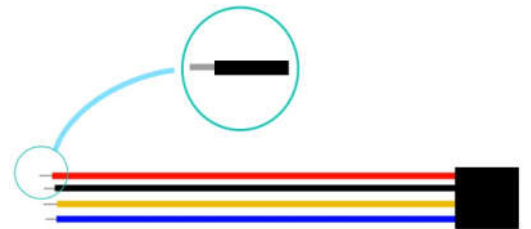
Screws: 2.5 x 25 mm [2pcs]
Nuts: 2.5 mm [2pcs]

①



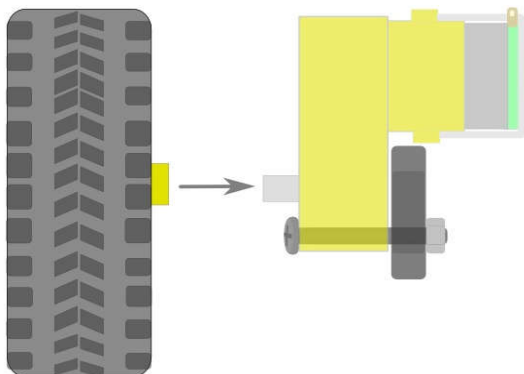
3

Strips the wires



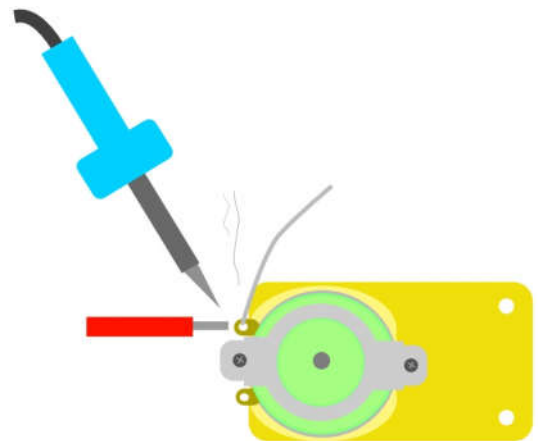
2

Connect the Wheel.



4

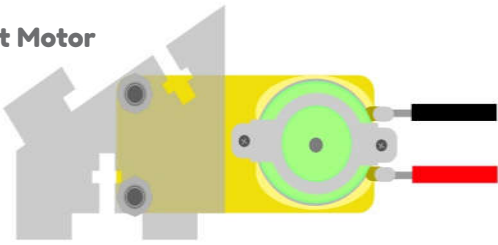
Solder the wires to the motor pins



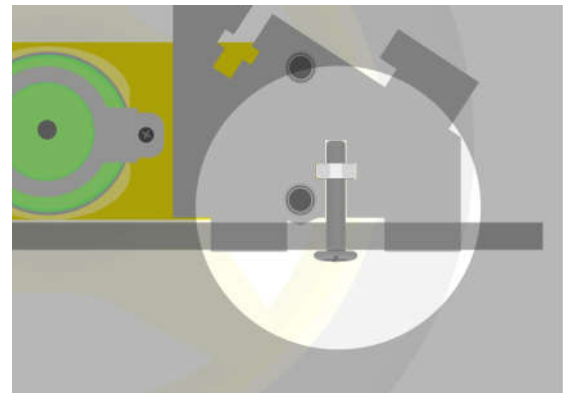
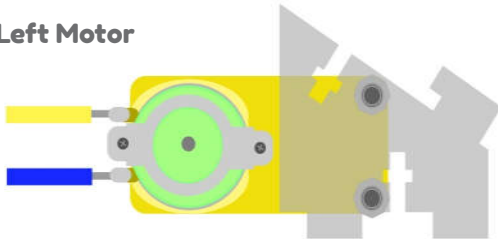
FOURTH STEP: Placing the Motors

Wiring Connections for Motors

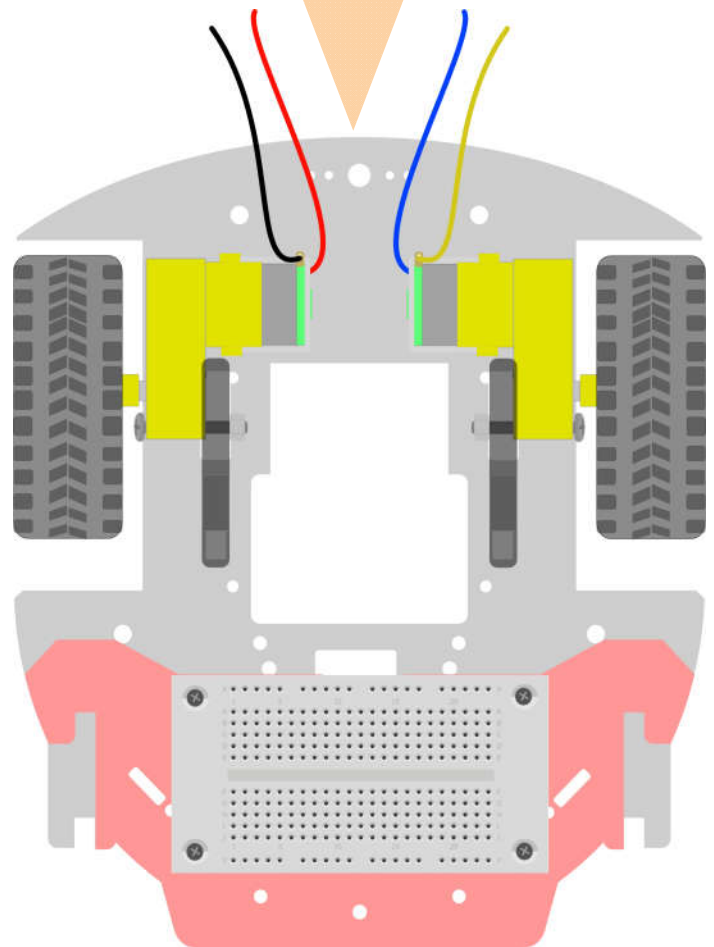
Right Motor



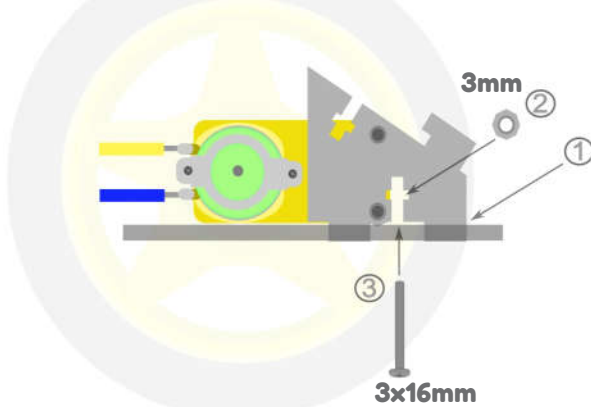
Left Motor



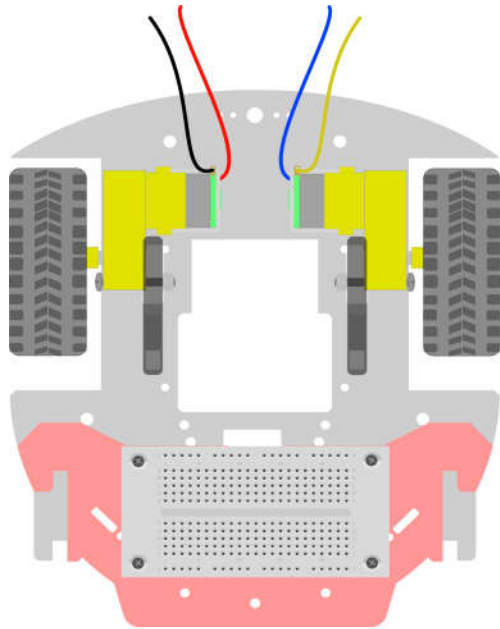
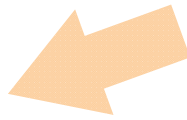
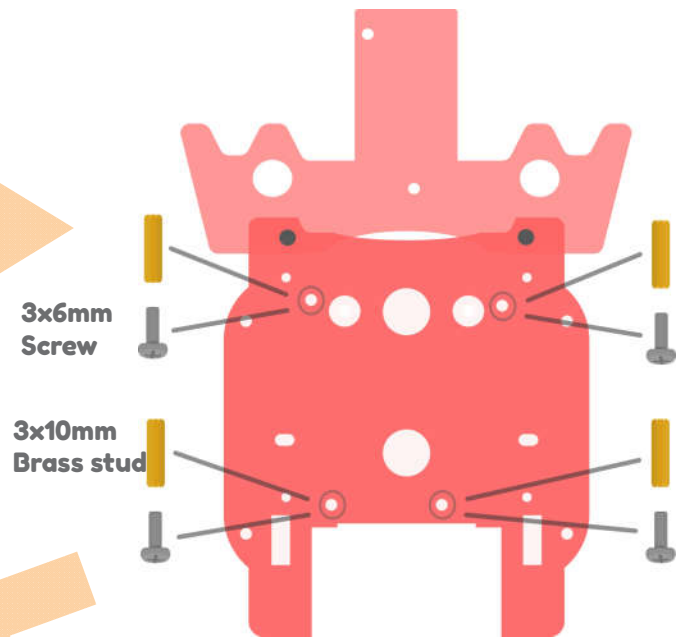
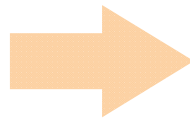
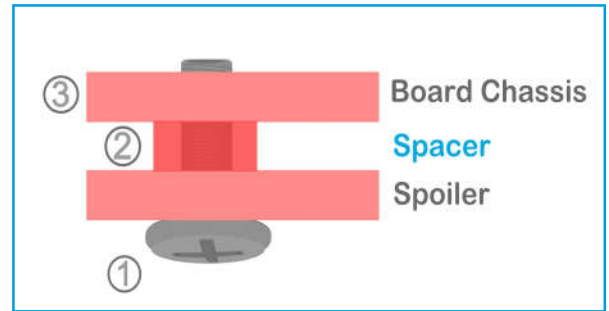
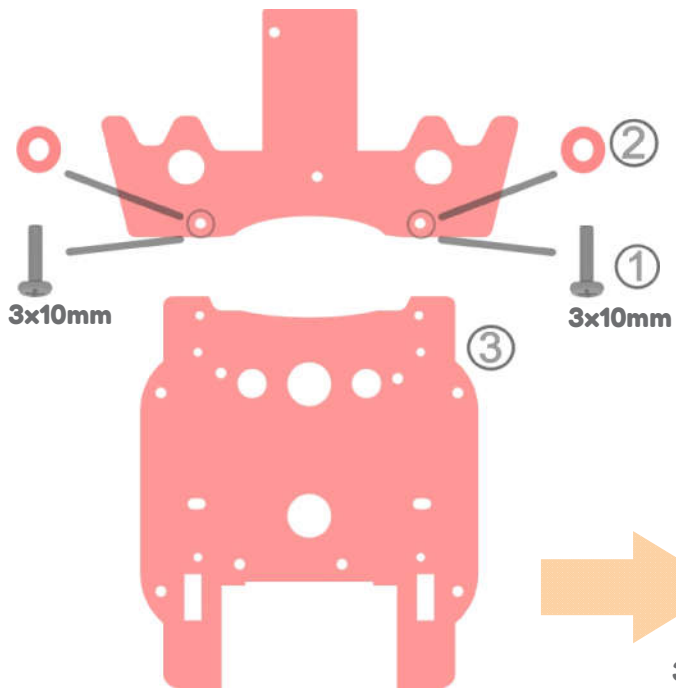
Place the two motor like this.



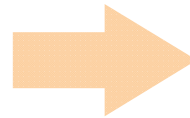
Apply the screws and nuts to support the motor holder.



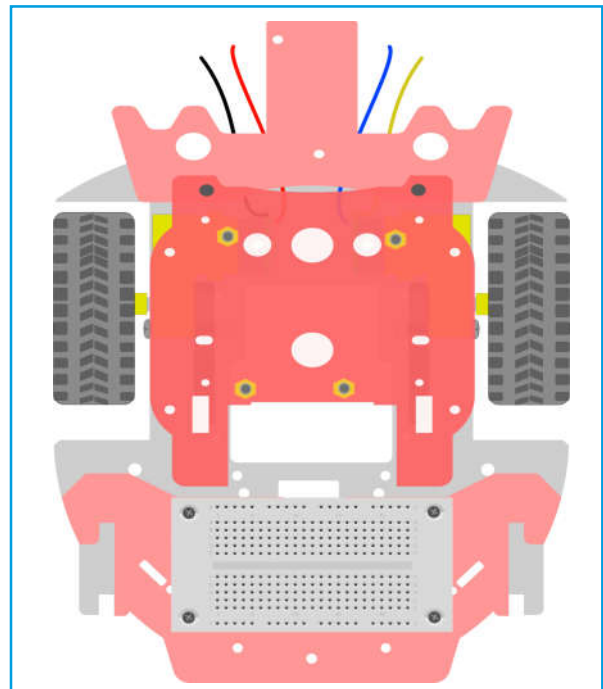
FIFTH STEP: The Board Chassis



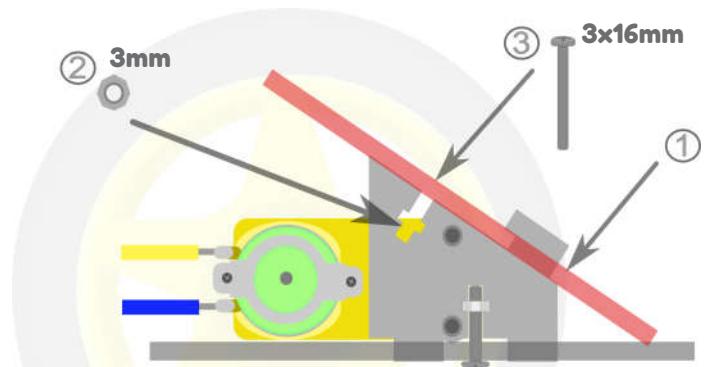
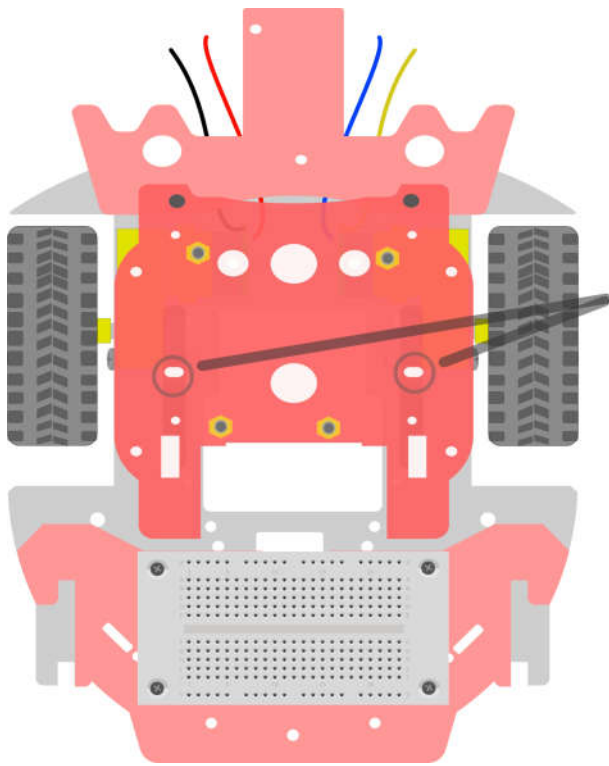
Place it on the top.



It should be like this.



SIXTH STEP: Placing the Upper Board and Battery holder



Place the upper board chassis, then add the screws and nuts to tighten it.

Placing the Battery Holder.

