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KIPR Base Demobot Build

Please follow the slides to complete the assembly of your robot

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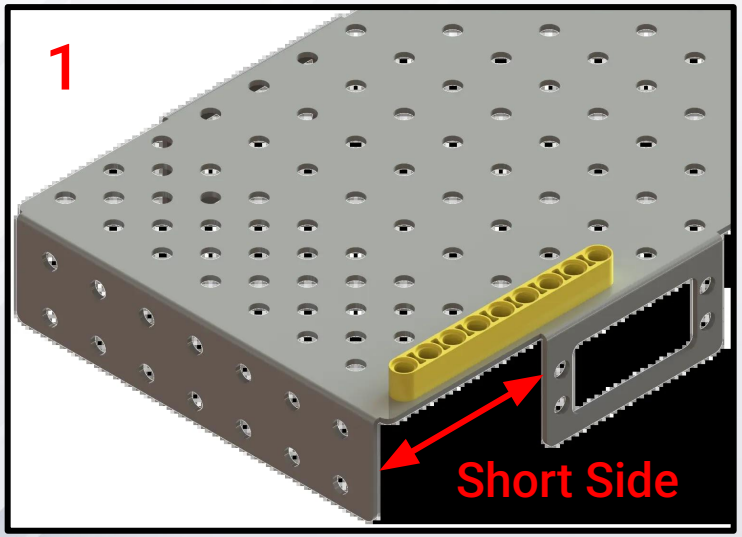
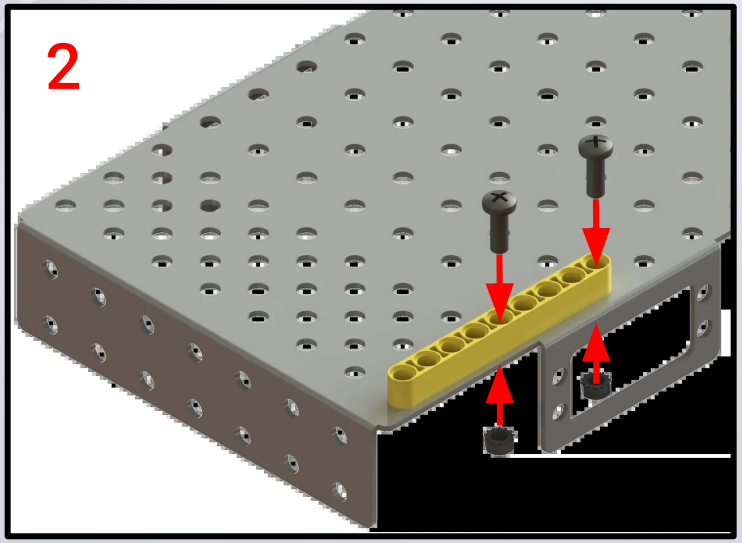
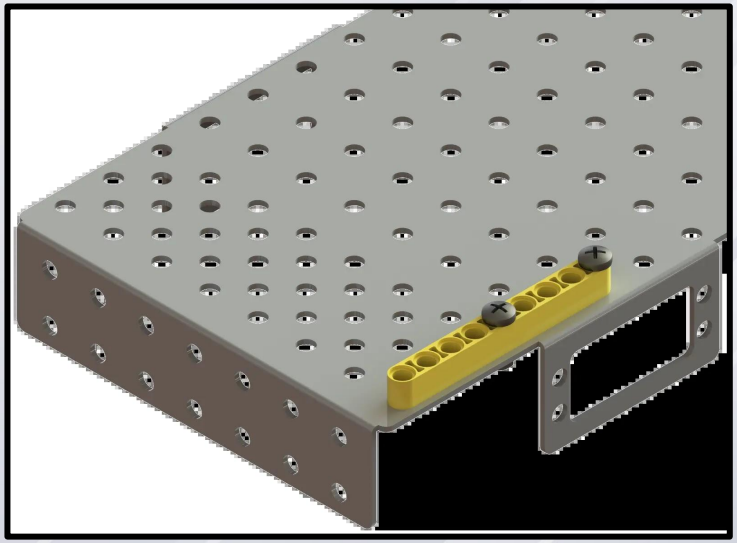


1. Line up a 1x9 Lego Liftarm on the short end of the chassis as shown.
2. Using the screwdriver in the kit, attach the piece to the chassis with two medium bolts and two nuts.





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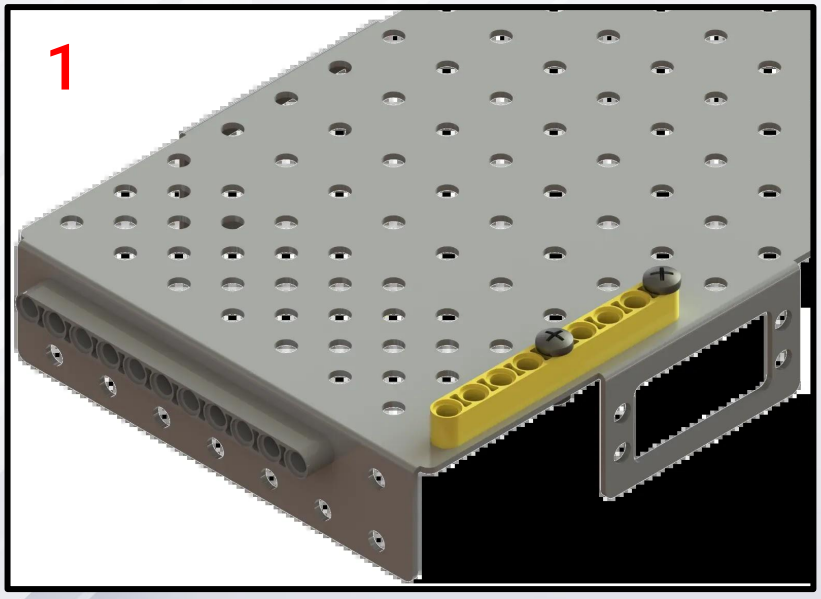
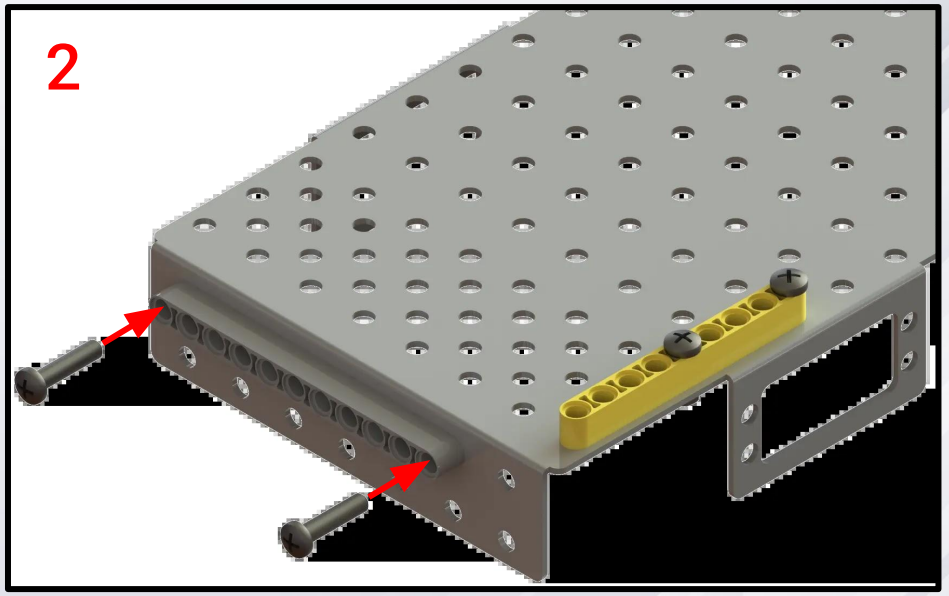
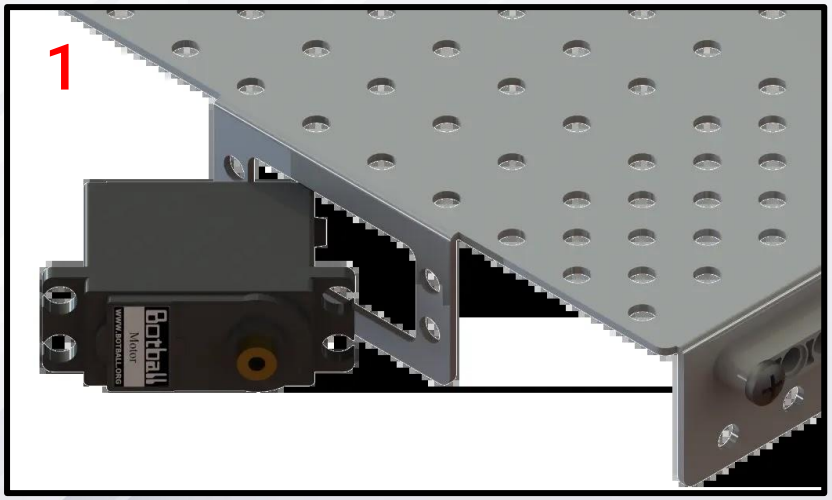
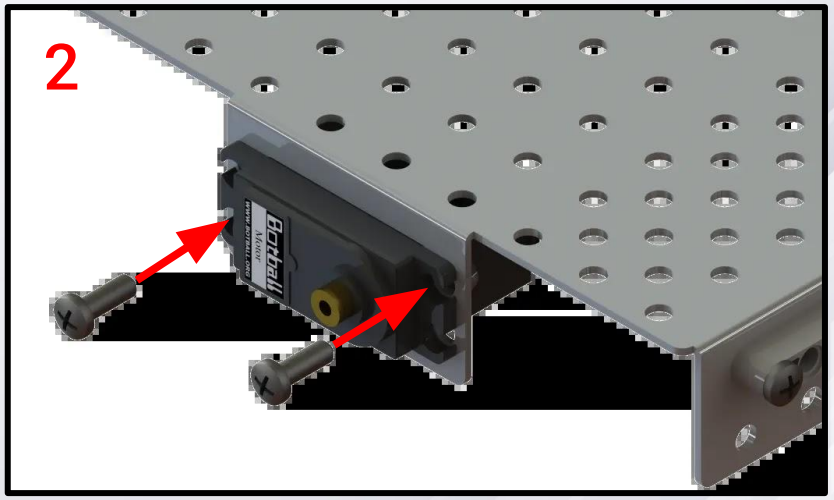


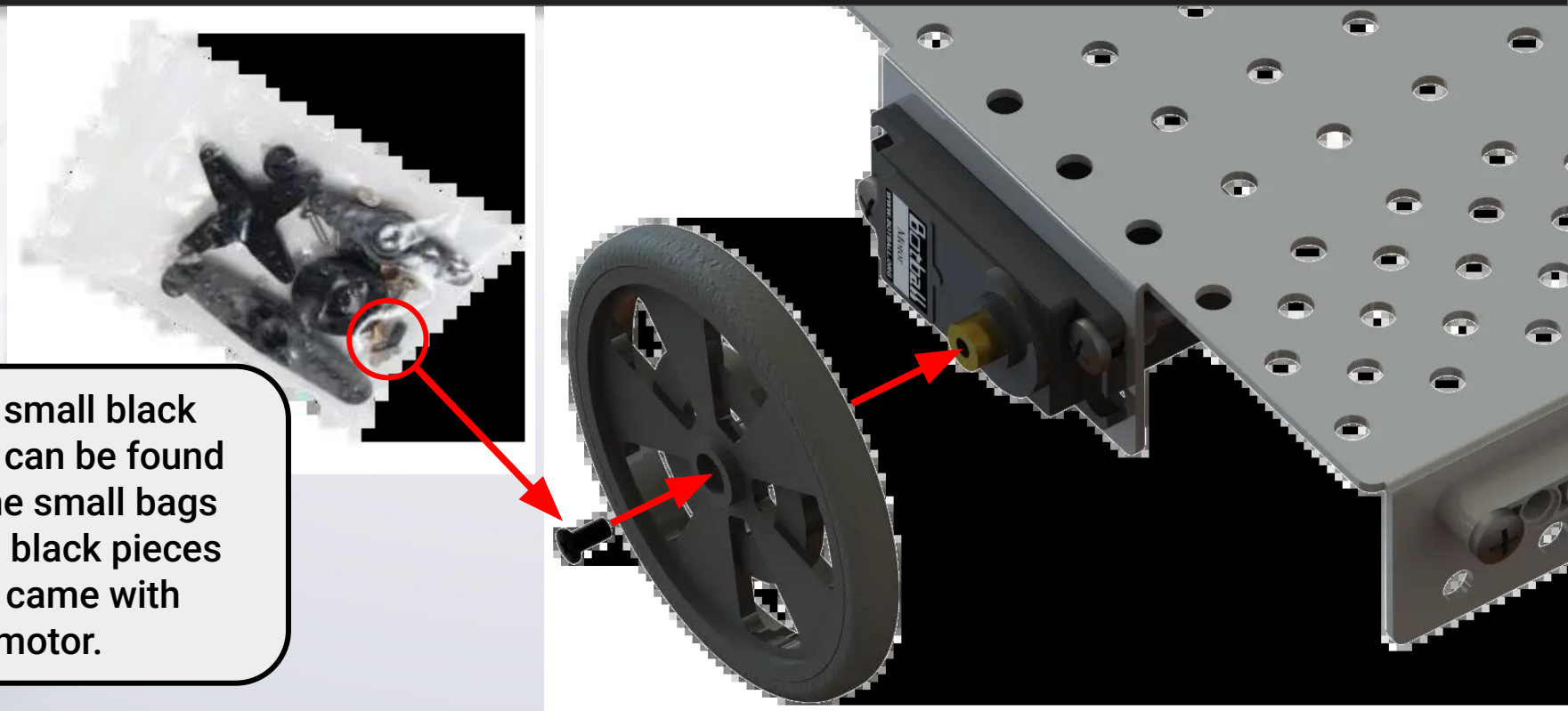


1. Line up a 1x11 Lego Liftarm on the short end of the chassis as shown.
2. Attach the piece to the chassis with two long bolts and two nuts.



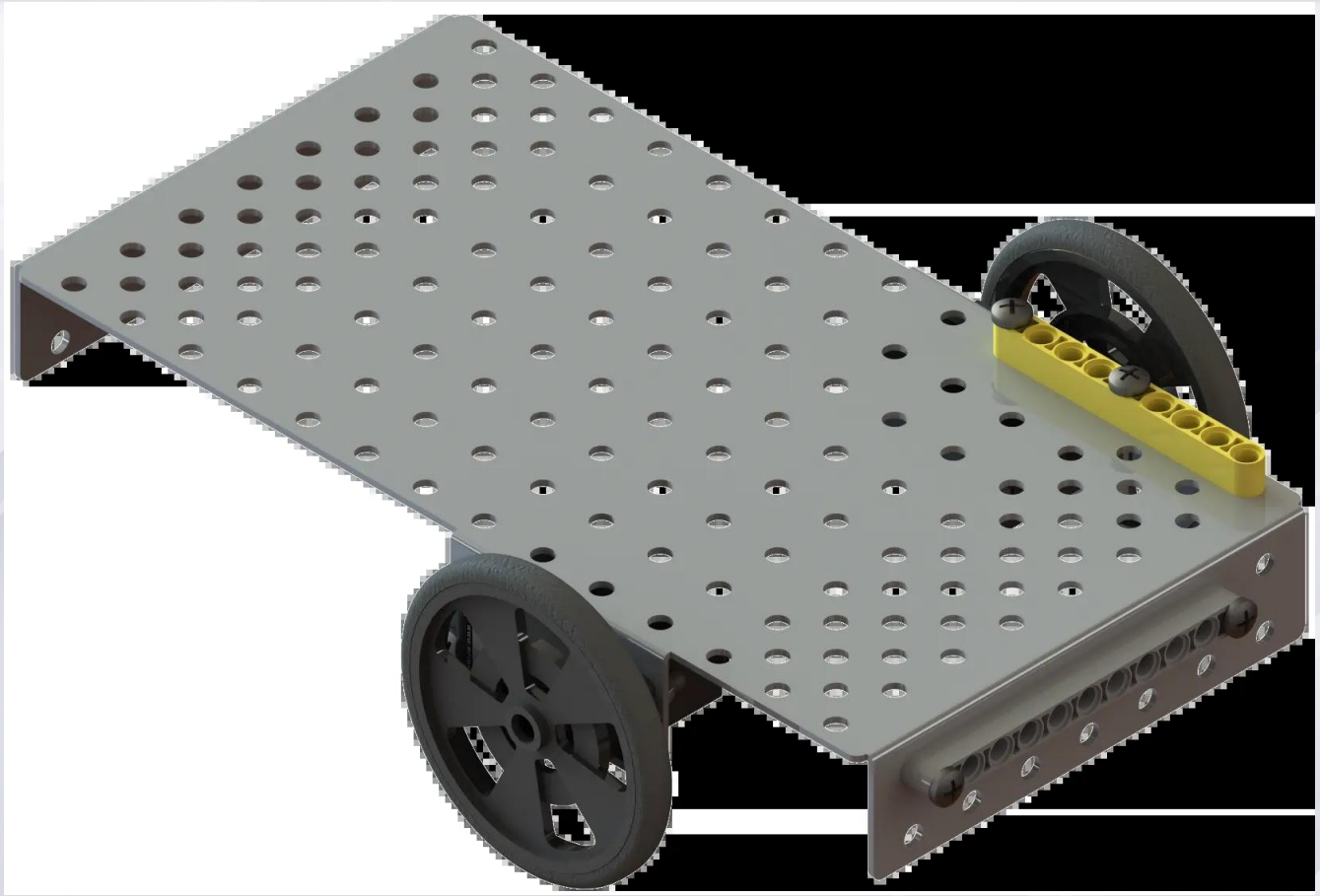


1. Line up a motor with the wire end going in first and the spline of the motor on the same side as the short end of the chassis.
2. Attach the motor to the chassis with two medium bolts and two nuts.



The small black bolt can be found in the small bags with black pieces that came with the motor.

1. With a screwdriver, slightly enlarge the hole in the wheel where the small black bolt will be inserted.
2. Attach the wheel to the spline of the motor with the small black bolt.
3. Repeat this and previous slide on other side of chassis.



Your chassis should look like this now.

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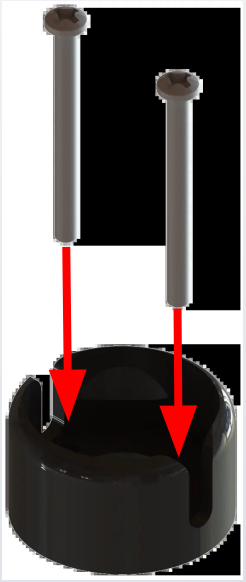
Start

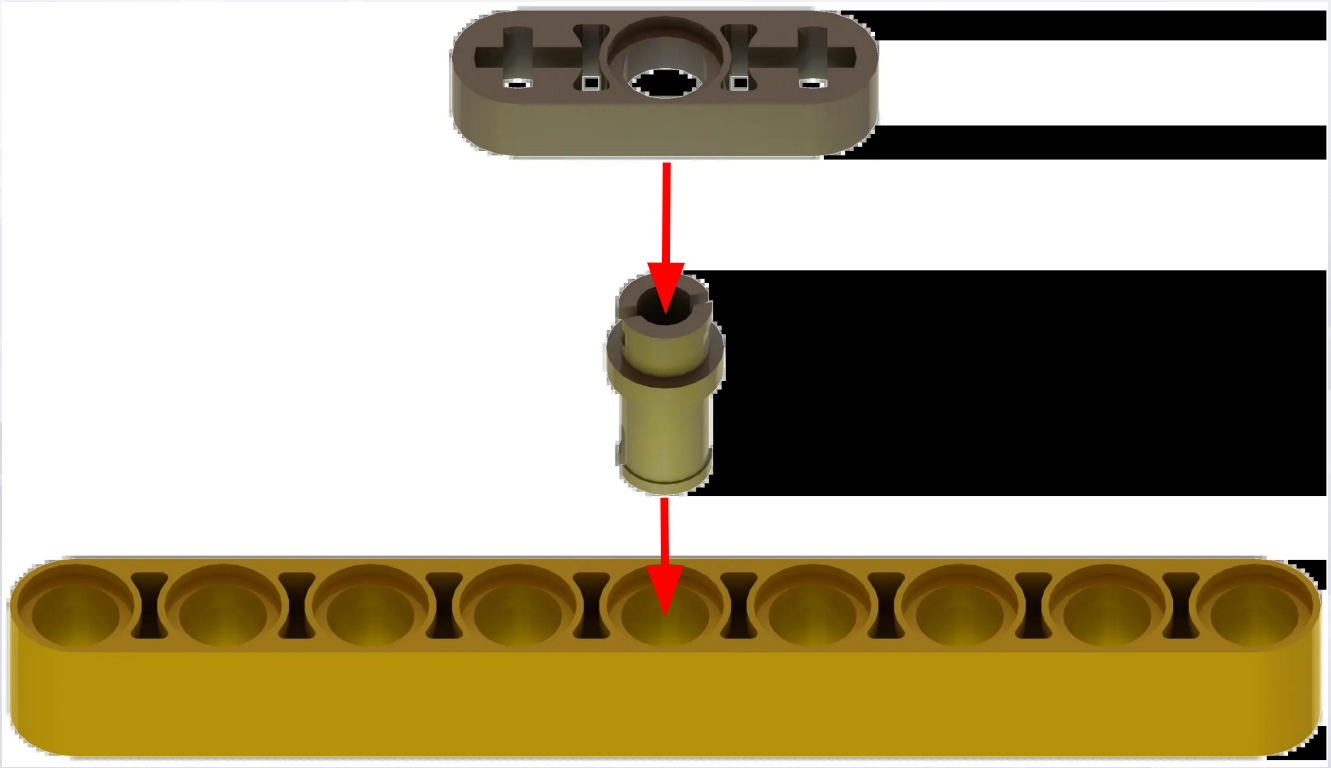
1

2



3

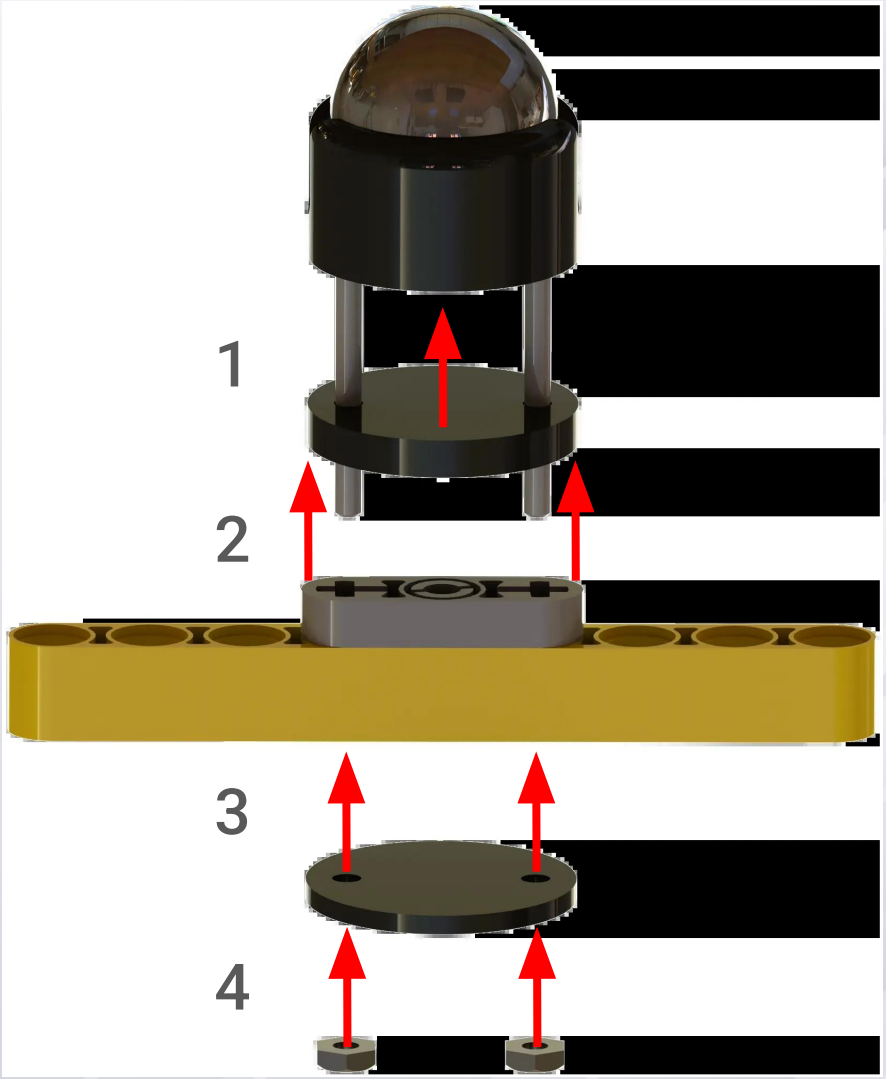
1. Remove the ball from the holder with a screwdriver.
2. Insert the two long bolts that came in the bag into the two small holes on the inside of the holder.
3. Replace the ball in the holder. This helps keep the bolts in while you are putting things together.

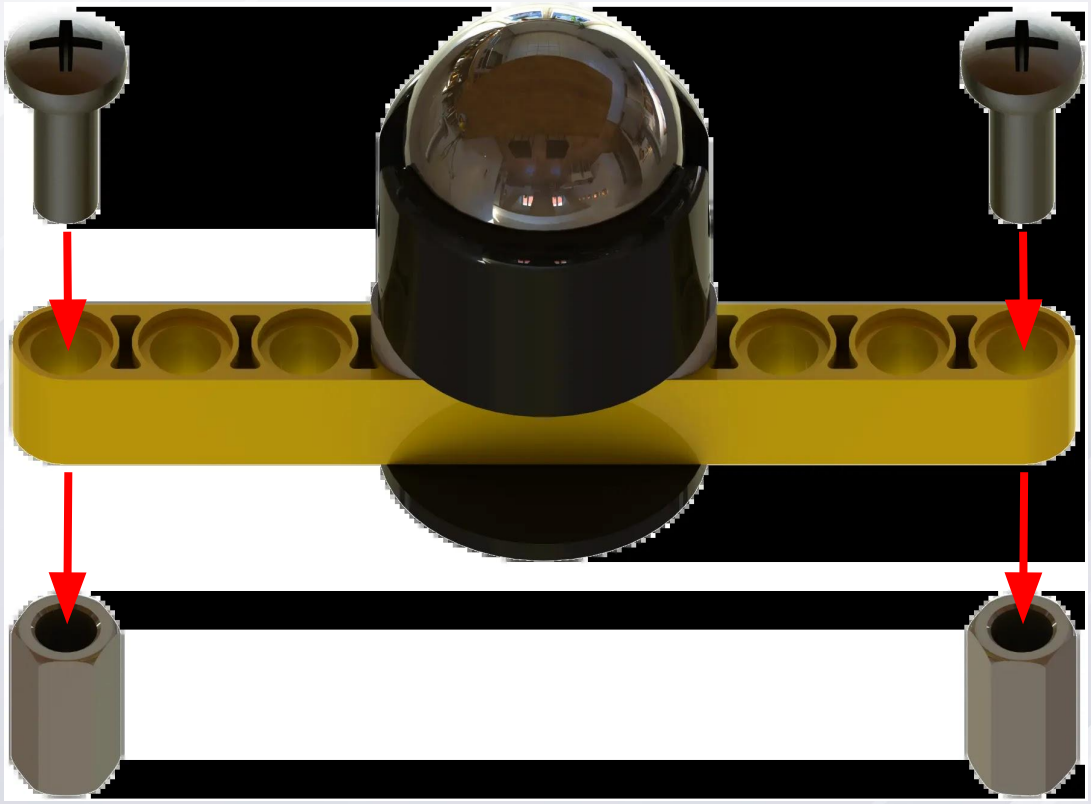


1. Take a 1x9 Liftarm, a ¾ Pin and a Thin 1x3 Liftarm.
2. Attach the Thin 1x3 Liftarm to the 1x9 Liftarm using the ¾ Pin as shown above.

Get the small nuts and Thick and Thin Spacers out from the Caster bag.

1. Slide the Thick Spacer onto the Caster Bolts.
2. Slide the Lego pieces onto the bolts.
3. Slide the Thin Spacer onto the bolts.
4. Secure all these pieces with the two small nuts.





Attach two ½” Standoffs to the ends of the Lego piece as shown and attach with two medium bolts.

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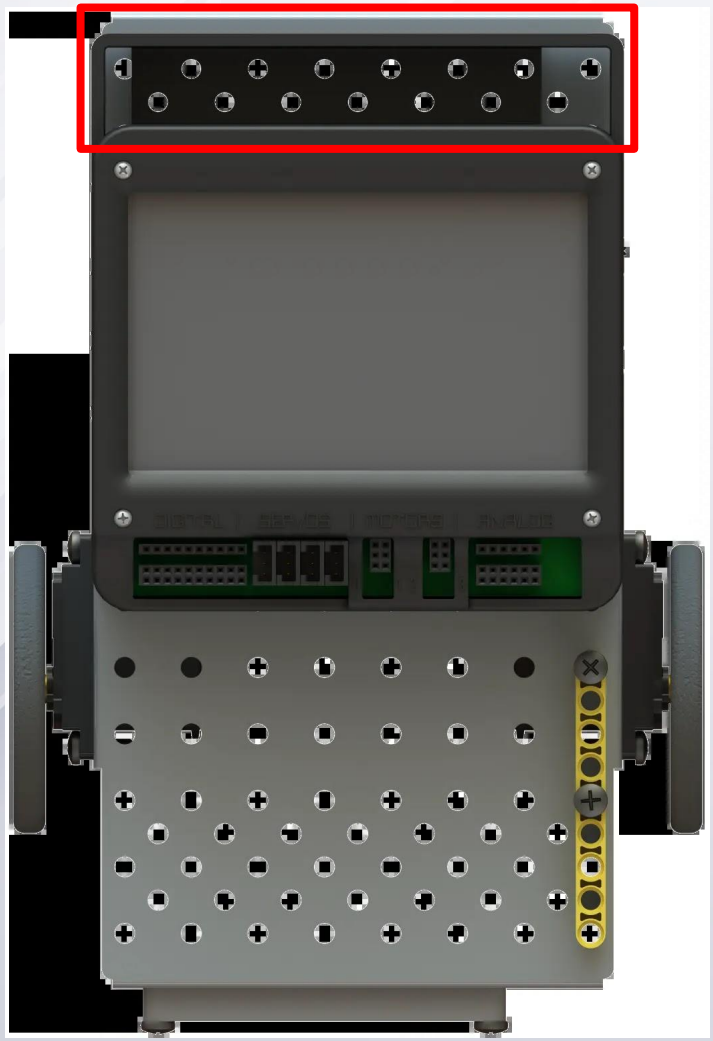
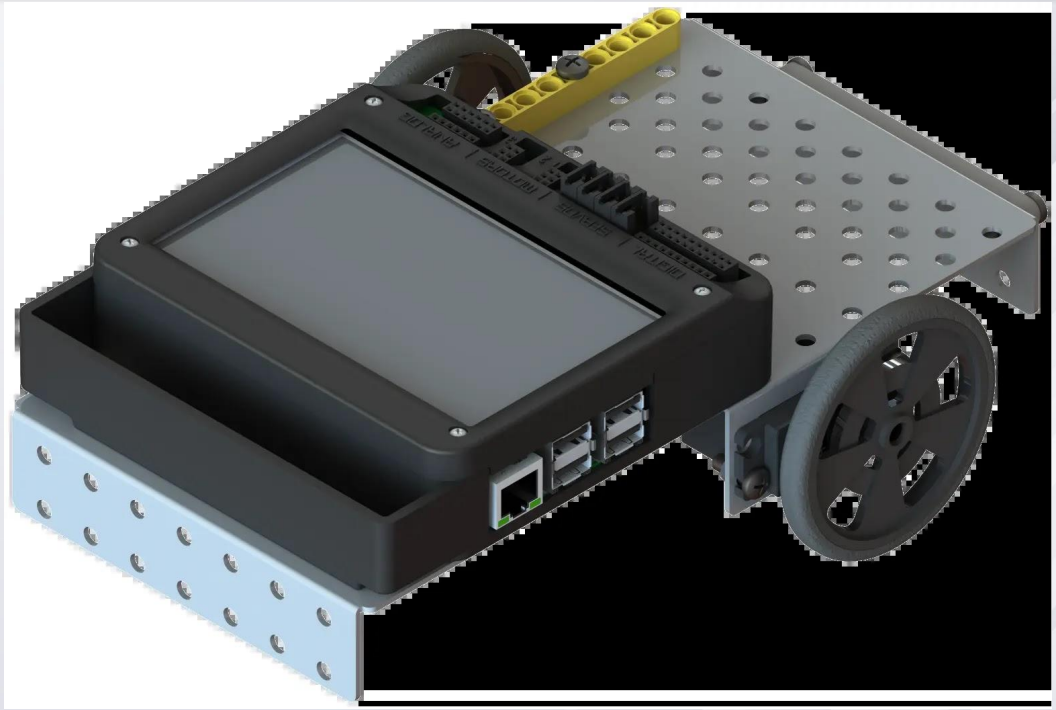
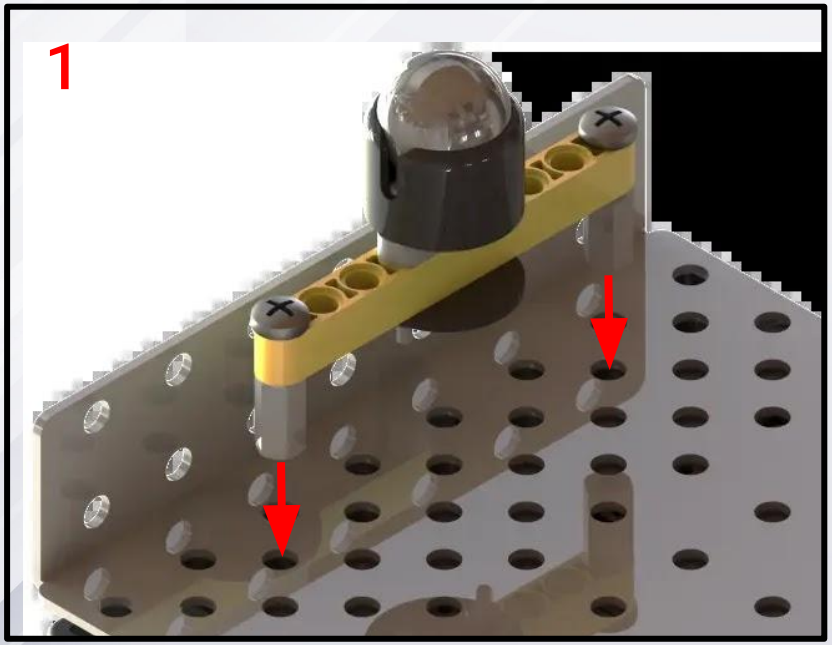
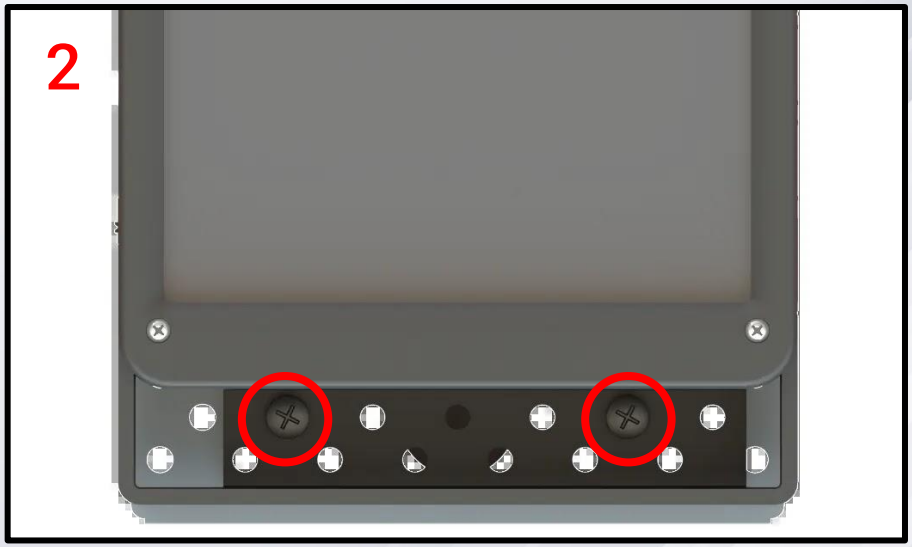




Line up the holes on the back of the Wombat with the holes on the back end of the chassis.





1. Line up the Caster Assembly with the holes on the back of the robot as shown and flip the robot right side up, balanced on the Caster assembly.
2. Using two small bolts attach this to the Chassis. It can also sometimes be easier to get one bolt in first without the other lined up and then line up the next one.

Slide th
slot of the Wombat case.

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Base Demobot Finished!