



NATIONAL
GEOGRAPHIC

JUNIOR ROBOTICS

BUGS

INSTRUCTIONS



CAUTION: Keep away from long hair and loose garments.

Requires 3 x AAA 1.5V alkaline batteries (not included).

- Battery installation and removal should be performed by an adult.
- Use only batteries recommended in this instruction guide.
- Be careful to install the batteries with the correct polarity as indicated.
- Do not mix old and new batteries.
- Remove all batteries when replacing.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Different types of batteries or new and used batteries are not to be mixed.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed from the device before being charged.
- Rechargeable batteries are only to be charged under adult supervision.
- Only batteries of the same or equivalent type as recommended are to be used.
- The supply terminals are not to be short-circuited.
- Remove exhausted batteries.
- **CAUTION:** Do not dispose of battery in fire. Battery may explode or leak.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

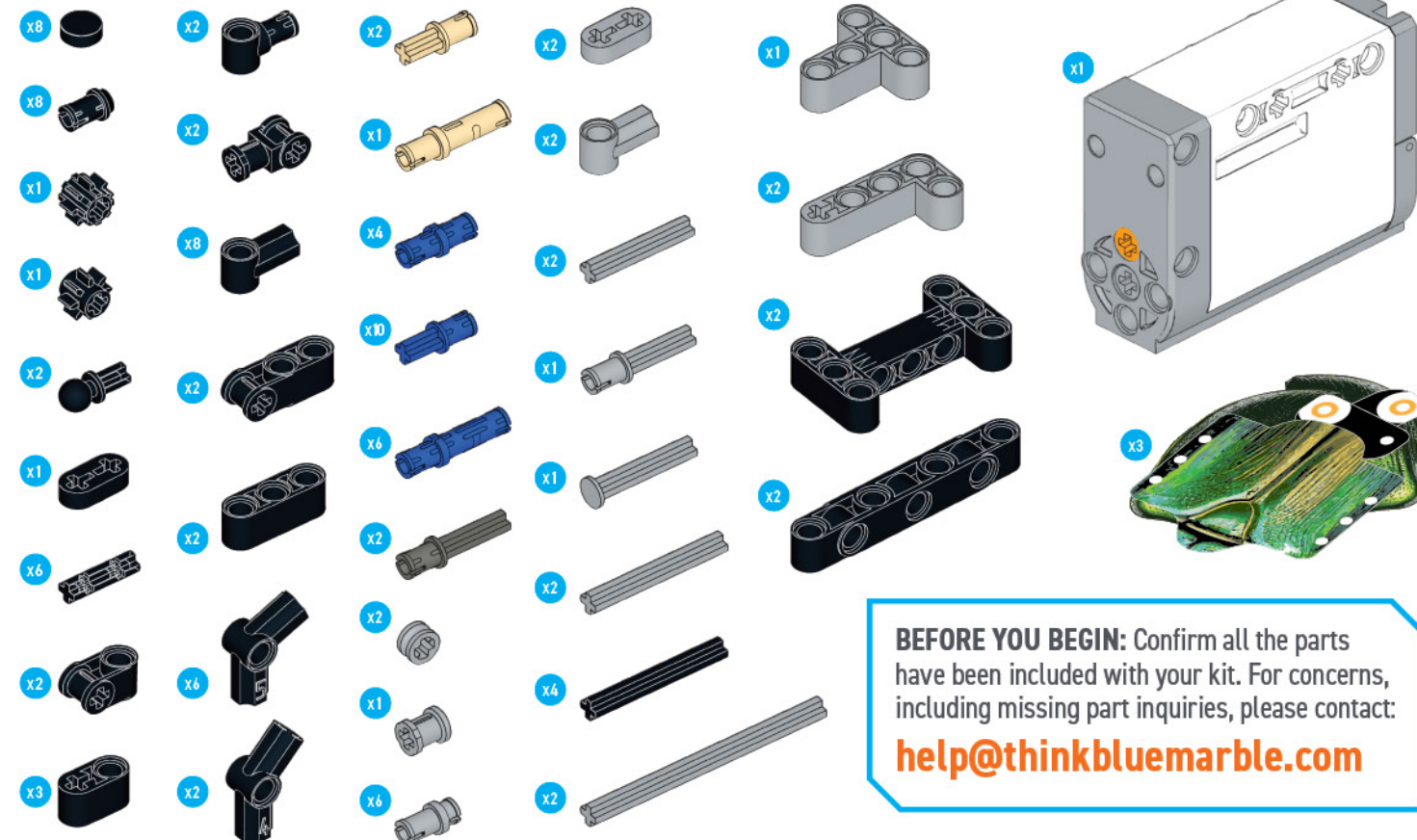
NOTE: This equipment has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference to radio communications. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this toy does cause interference to radio or television reception (you can check this by turning the toy off and on while listening for the interference), one or more of the following measures may be useful:

- Reorient or relocate the receiving antenna.
- Increase the separation between the toy and the radio or the TV.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced TV-radio technician for help.



Batteries or battery packs must be recycled or disposed of properly. When this product has reached the end of its useful life, it should not be disposed of with other household waste. The Waste Electrical and Electronic Equipment Regulations require it to be separately collected so that it can be treated using the best available recovery and recycling techniques. This will minimize the impact on the environment and human health from soil and water contamination by any hazardous substances, decrease the resources required to make new products and avoid using up landfill space. Please do your part by keeping this product out of the municipal waste stream! The "wheelie bin" symbol means that it should be collected as "waste electrical and electronic equipment". You can return an old product to your retailer when you buy a similar new one. For other options, please contact your local council.

KNOW YOUR PARTS



BEFORE YOU BEGIN: Confirm all the parts have been included with your kit. For concerns, including missing part inquiries, please contact:
help@thinkbluemarble.com

STOP!

Watch this short video and get started faster!

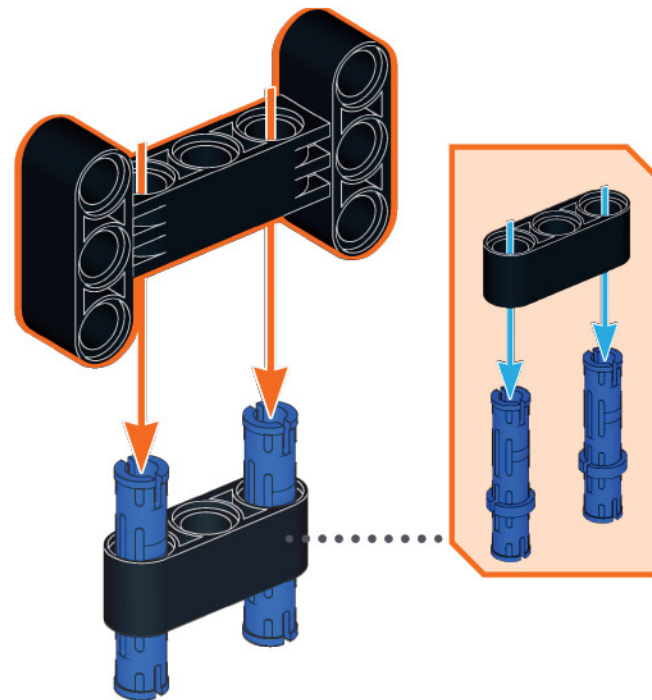


www.thinkbluemarble.com/JRRobotics

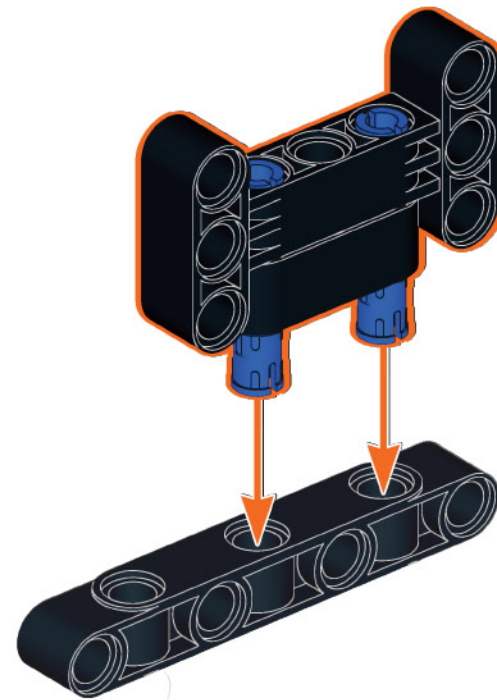
ASSEMBLY



1



2

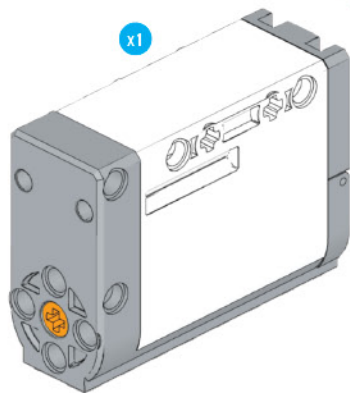


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x3

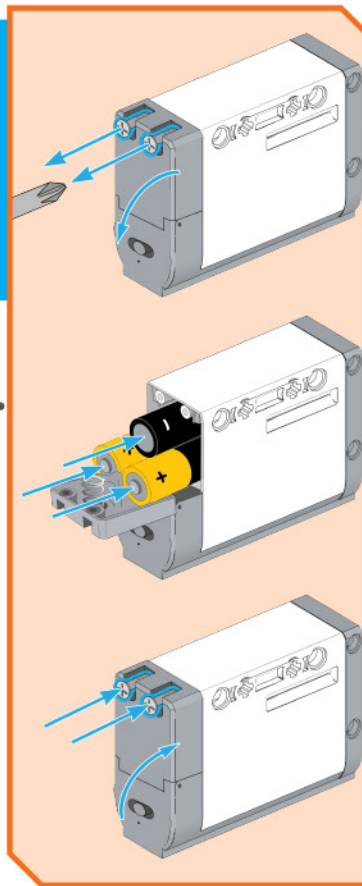
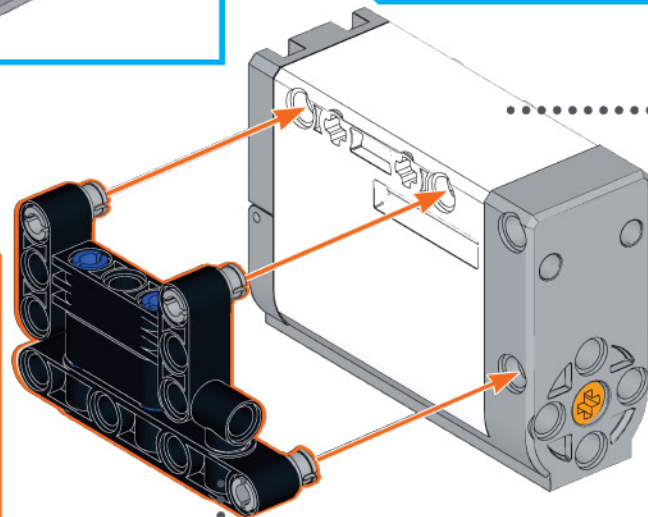
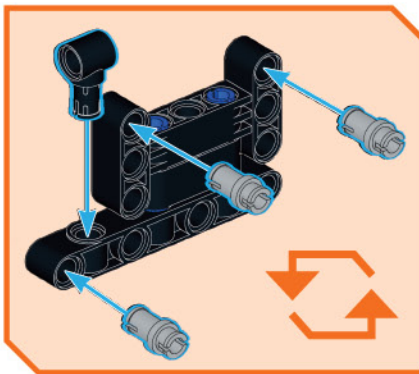
x1

x1



Requires 3 x AAA
1.5V alkaline
batteries
(not included)

Requires Phillips
head screwdriver
(not included)

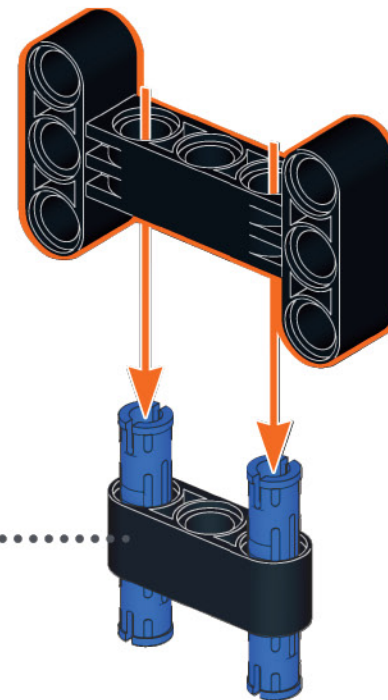
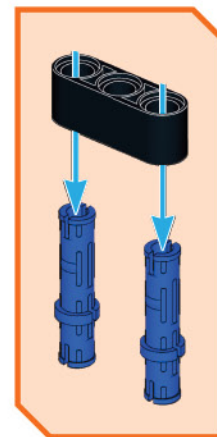


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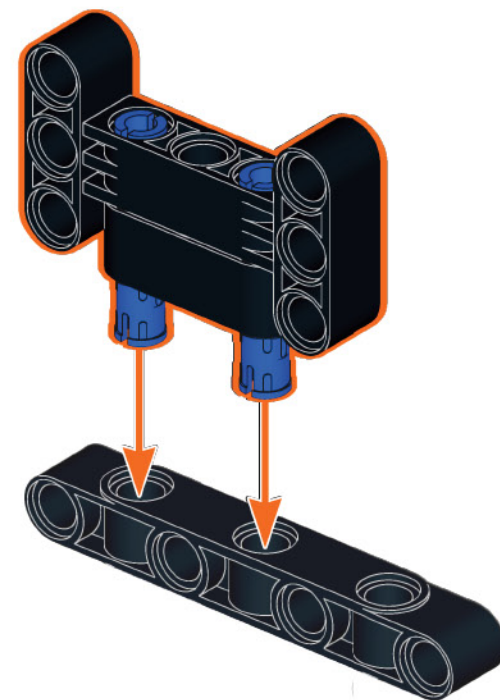
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x2



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x1

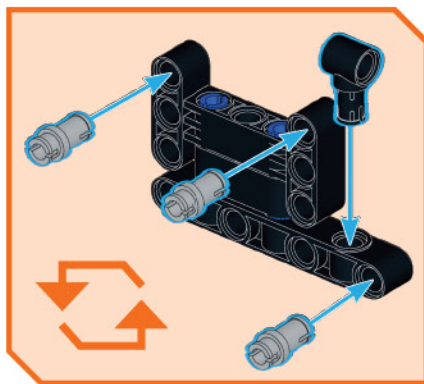


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x3

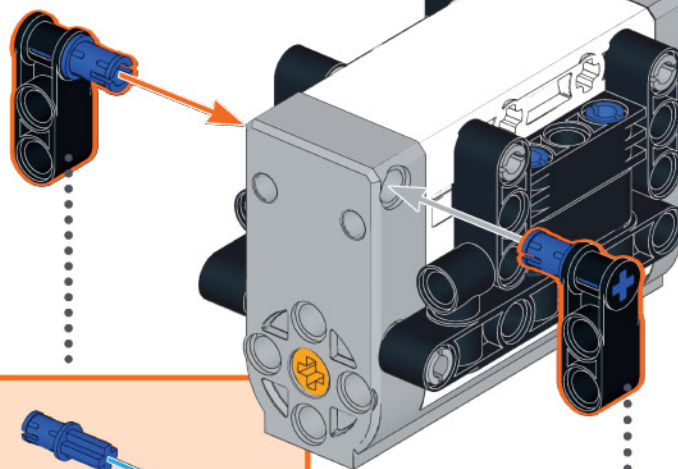


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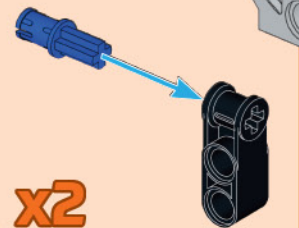
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x2



x2

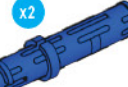


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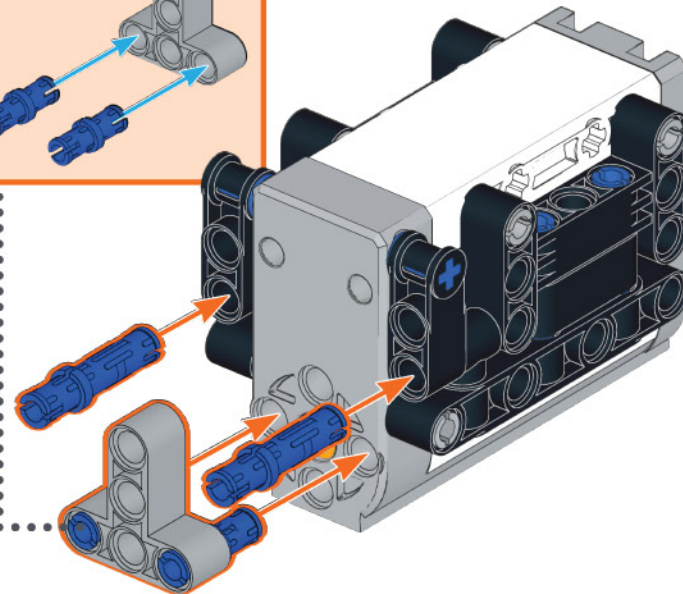
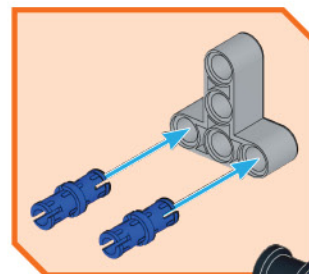
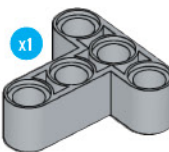
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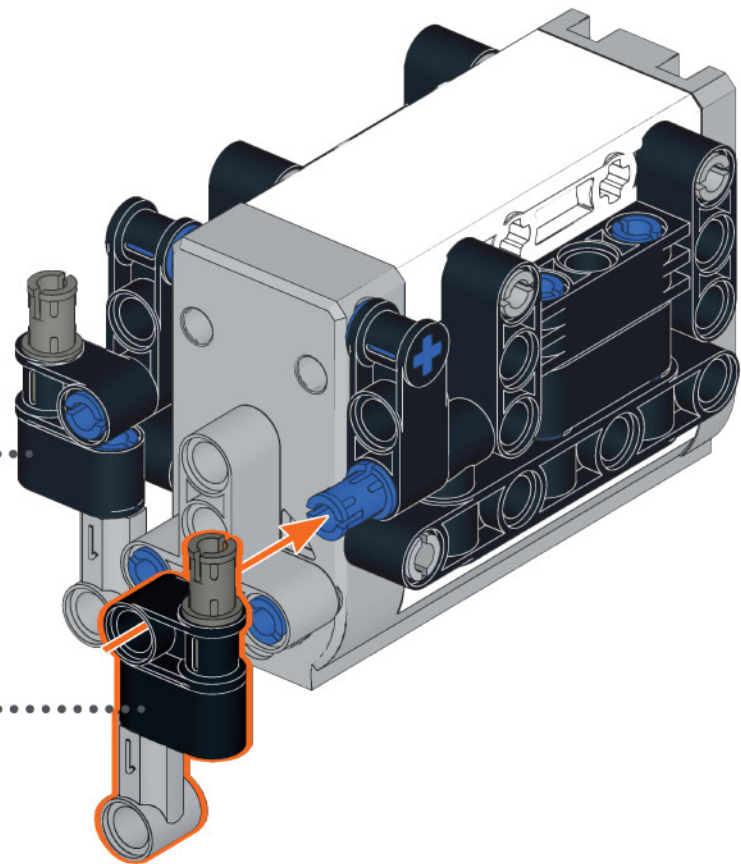
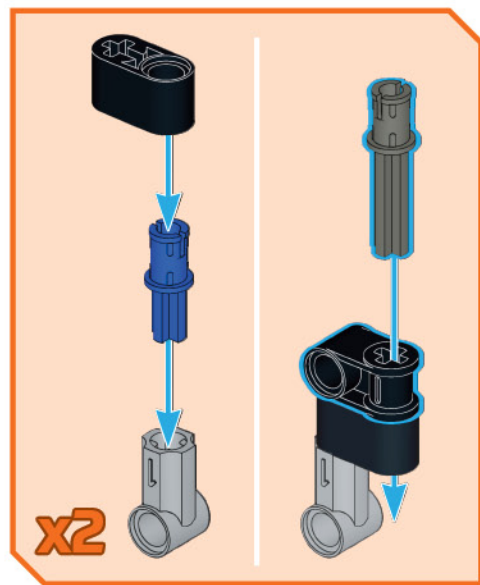
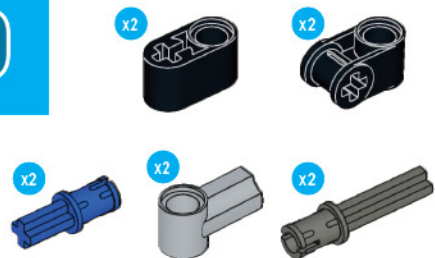
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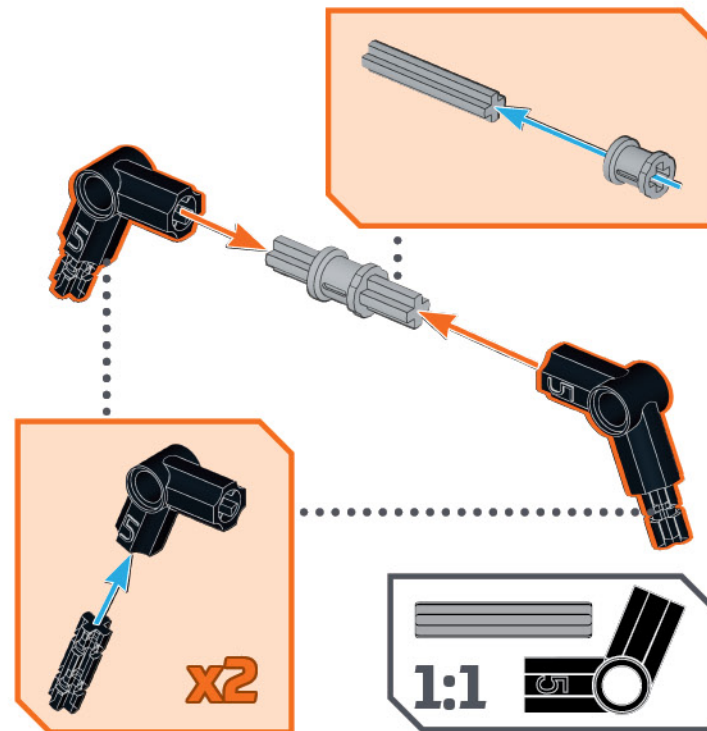
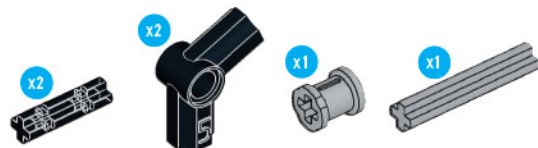
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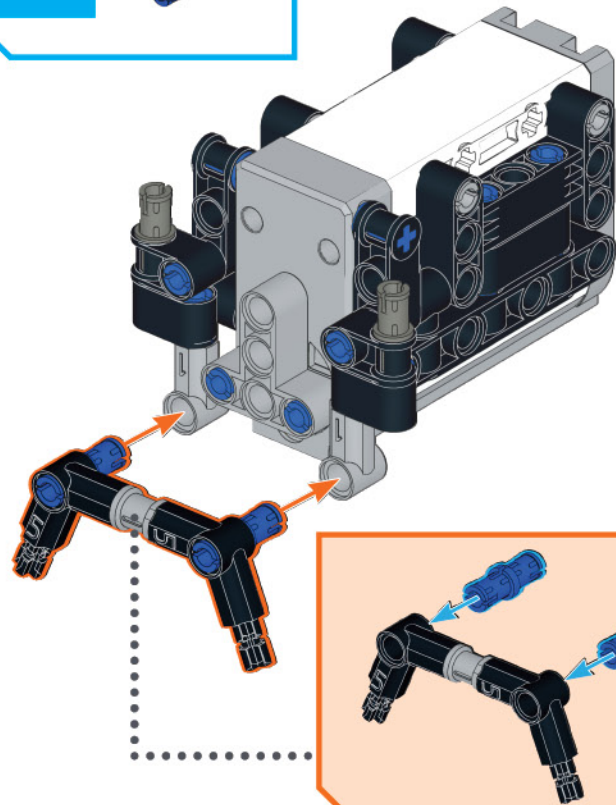
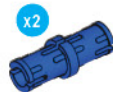
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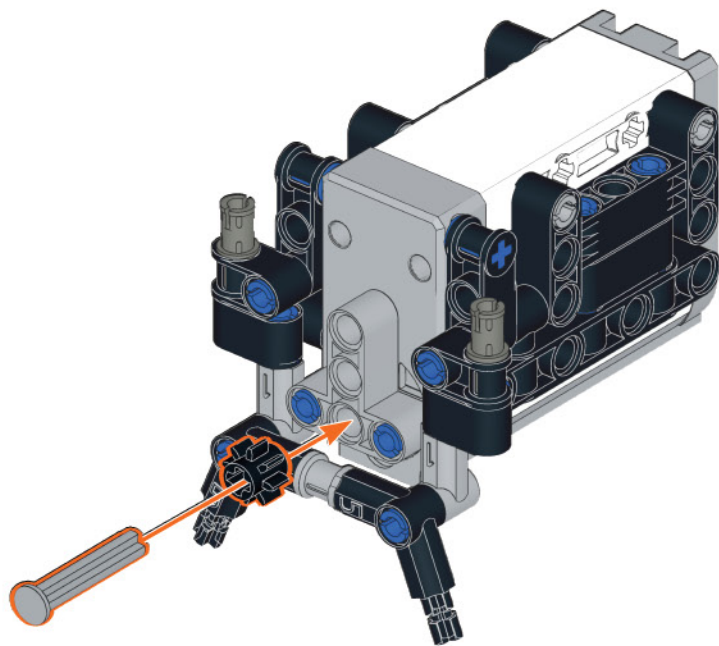
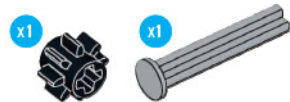
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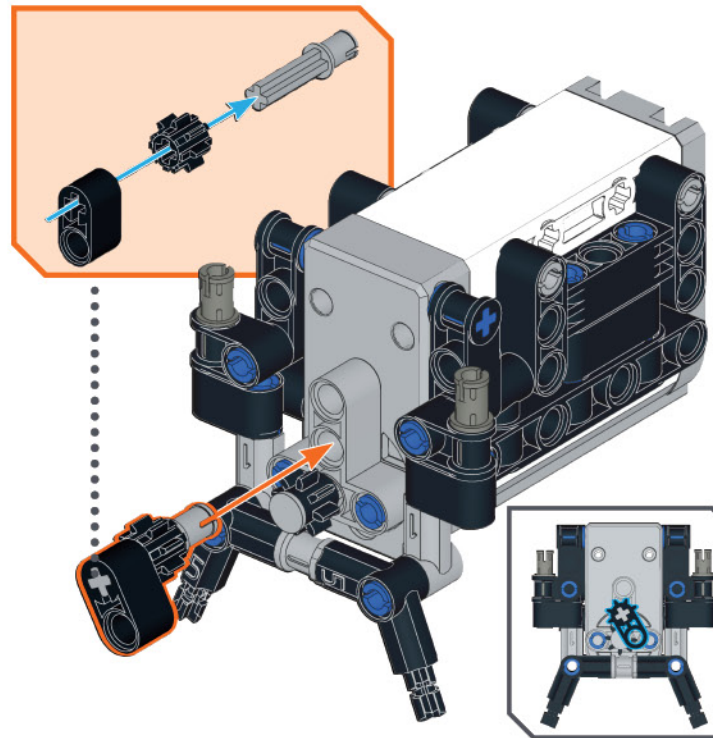
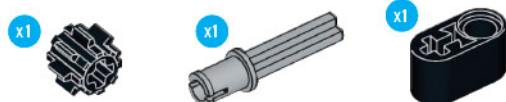
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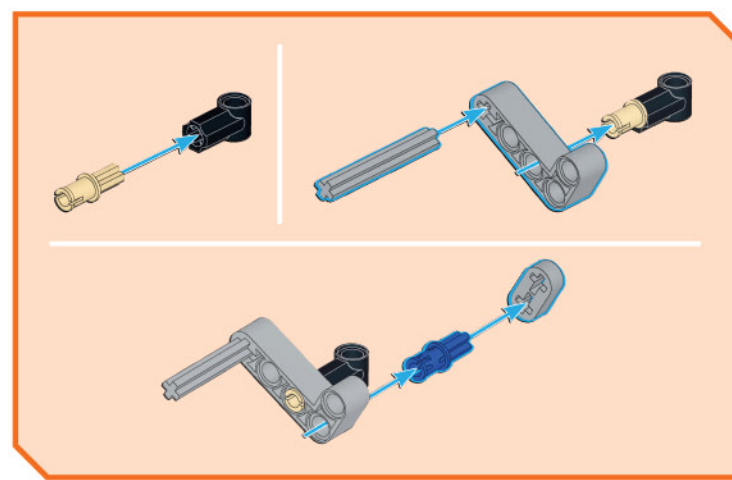
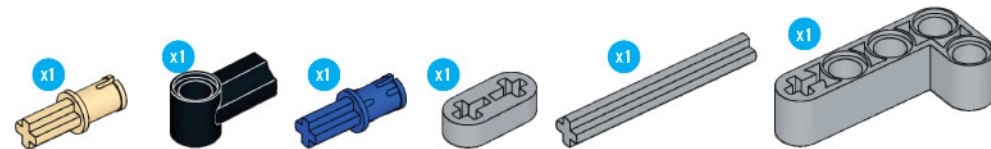
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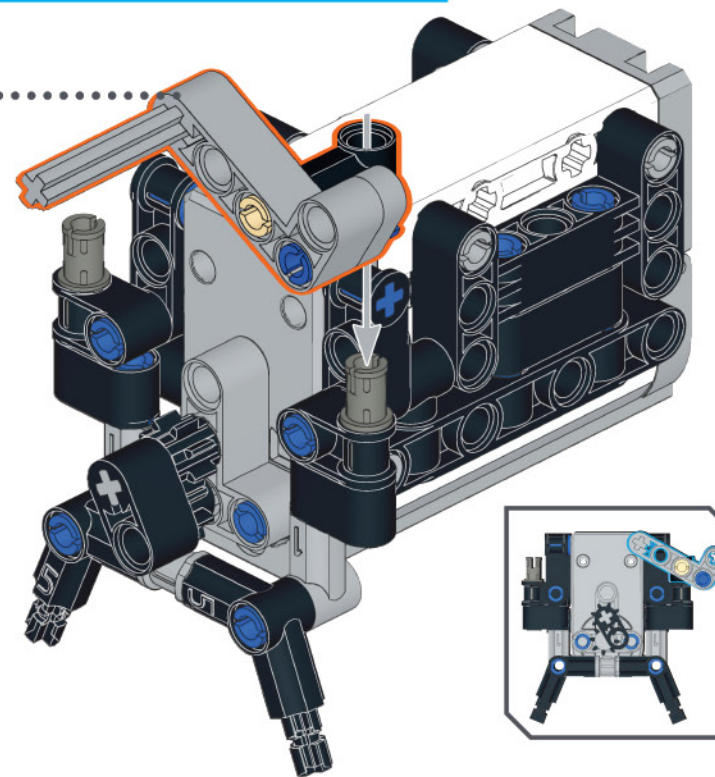
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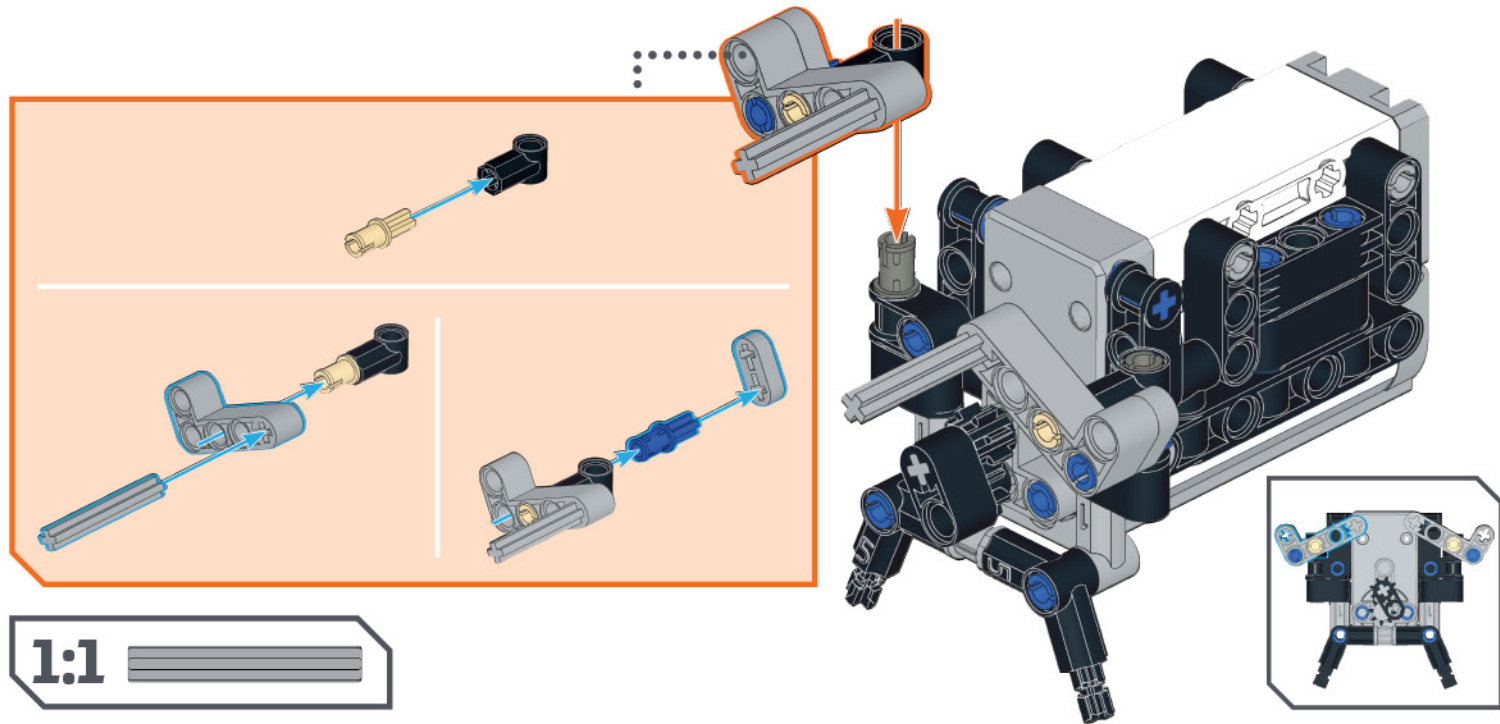
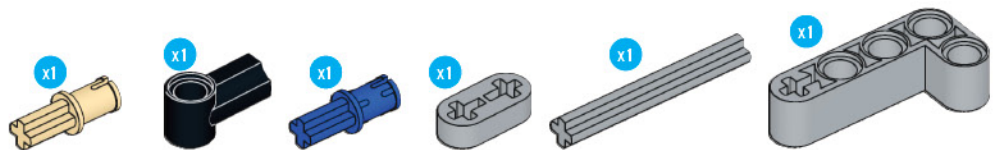
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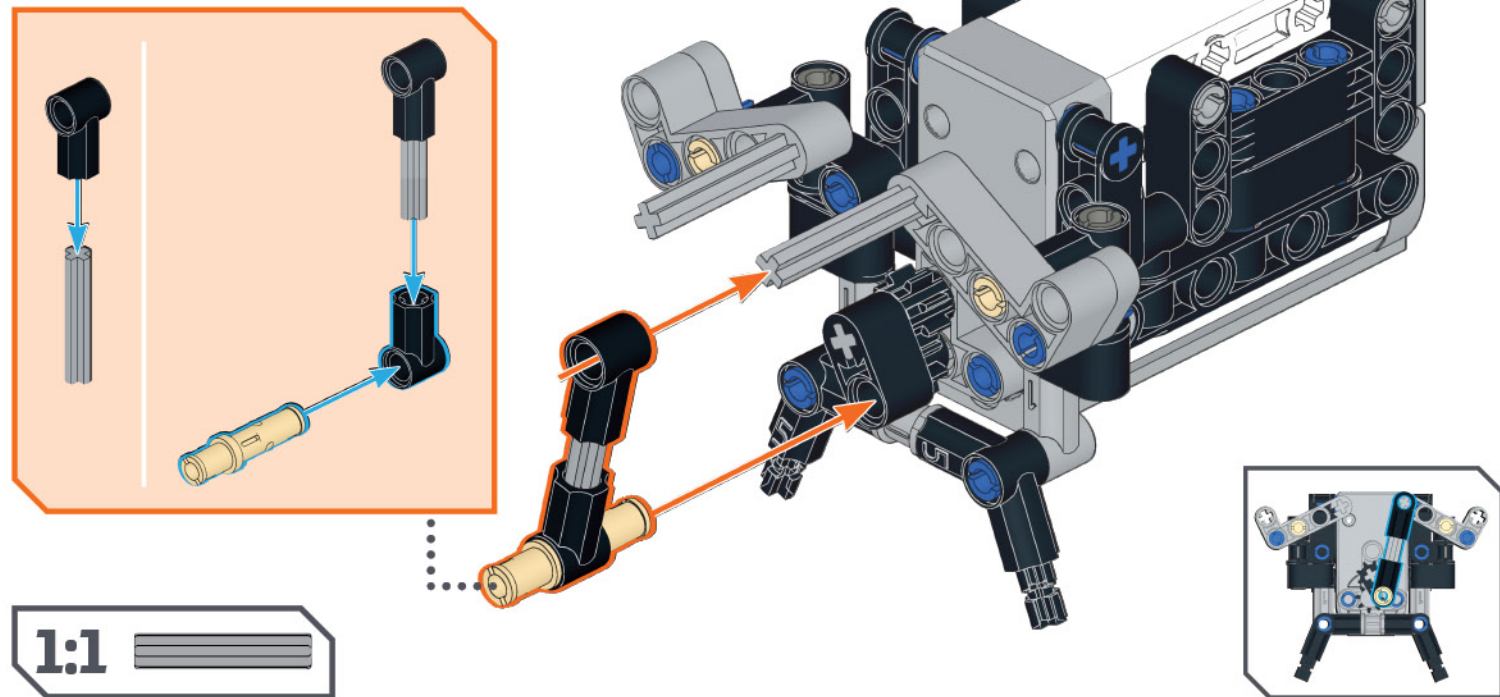
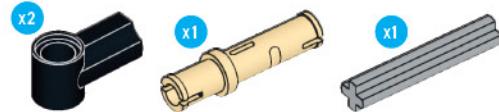
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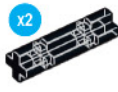


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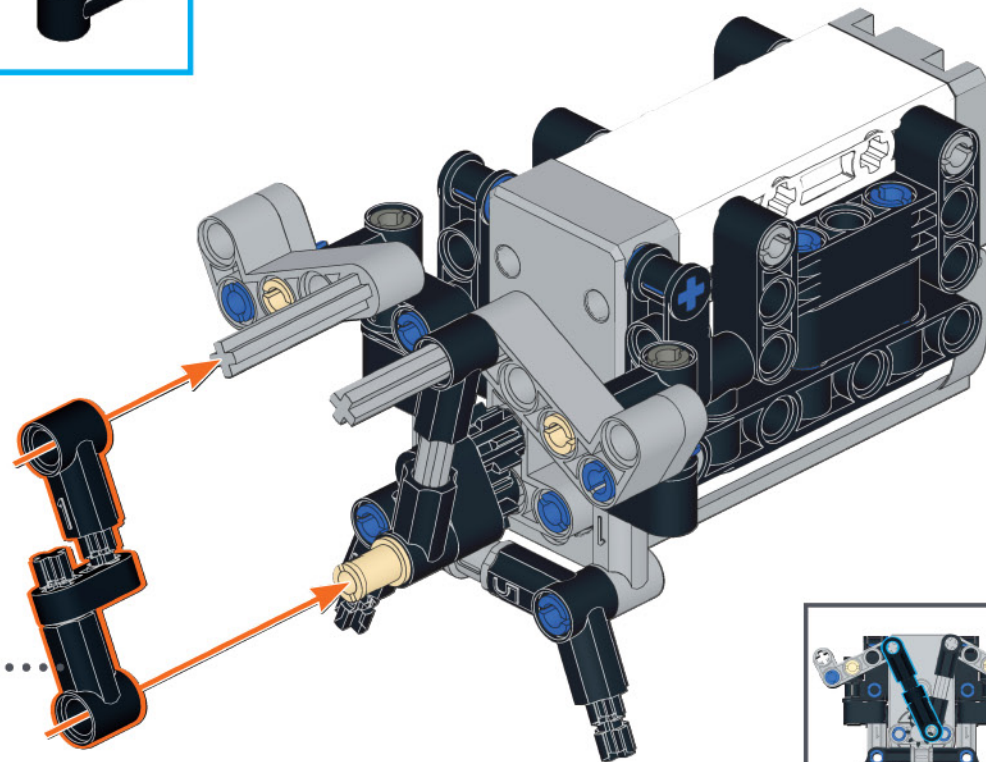
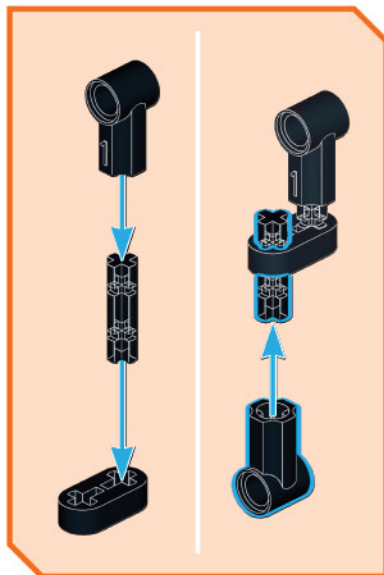
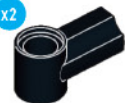
x1



x2



x2



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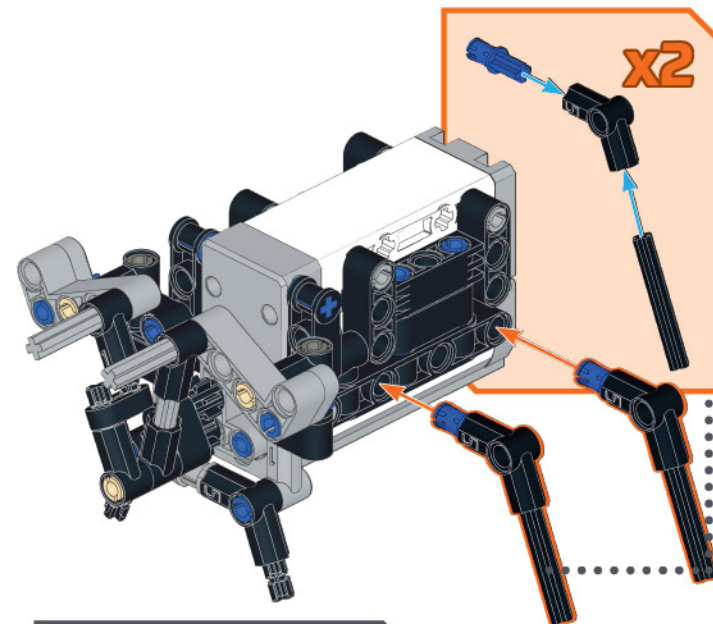
x2



x2



x2



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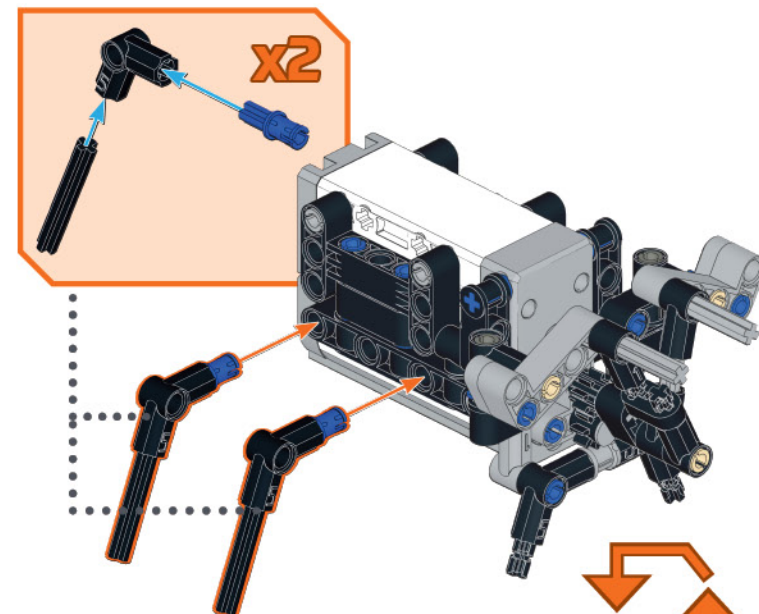
x2



x2



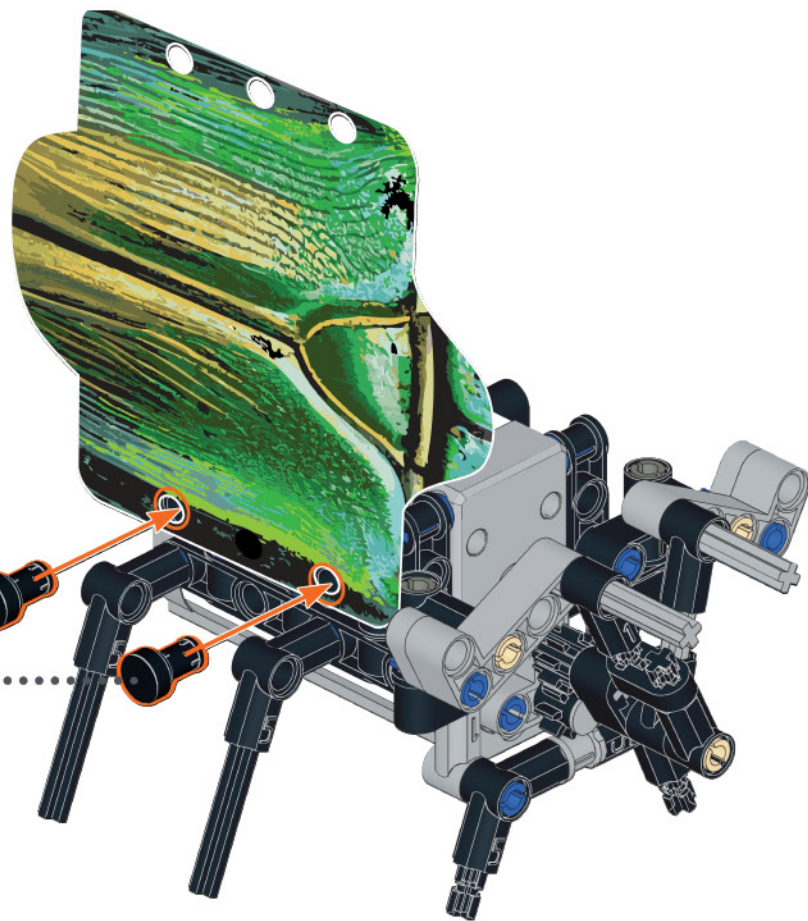
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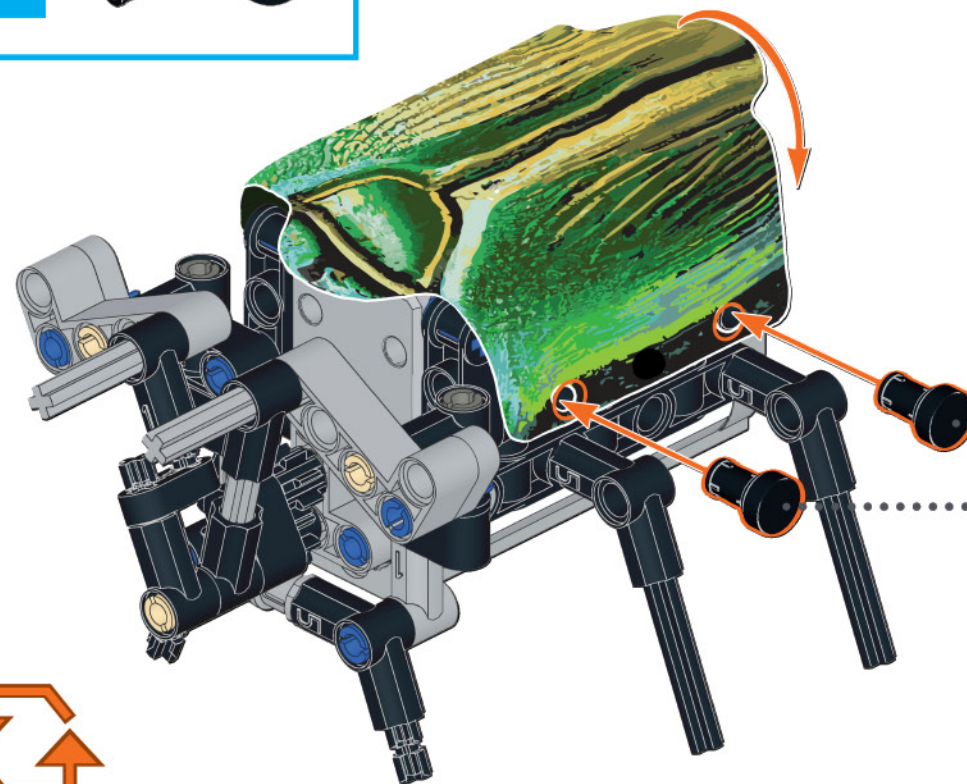
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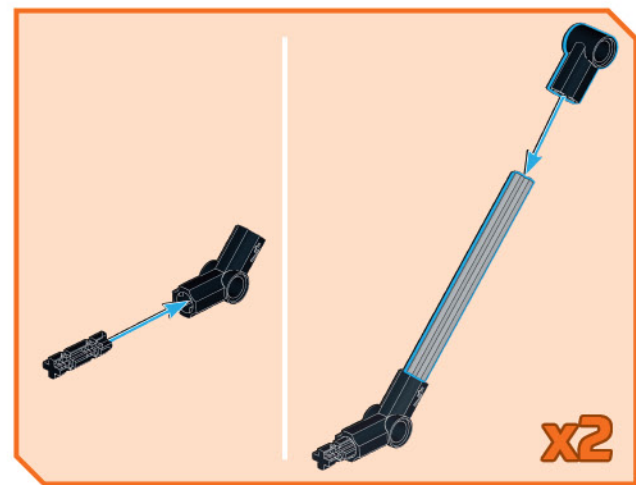
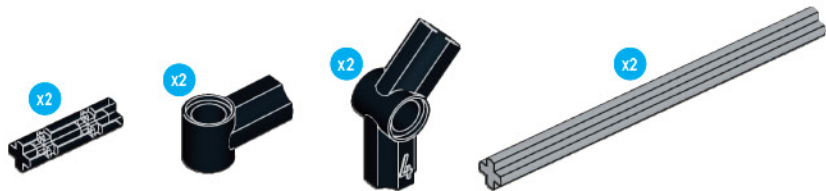
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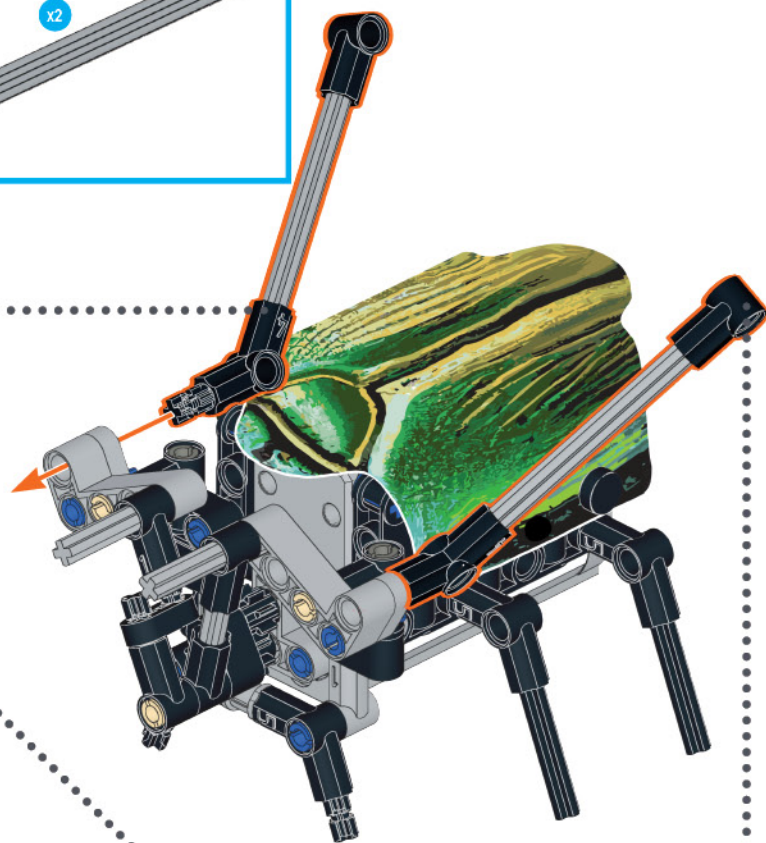
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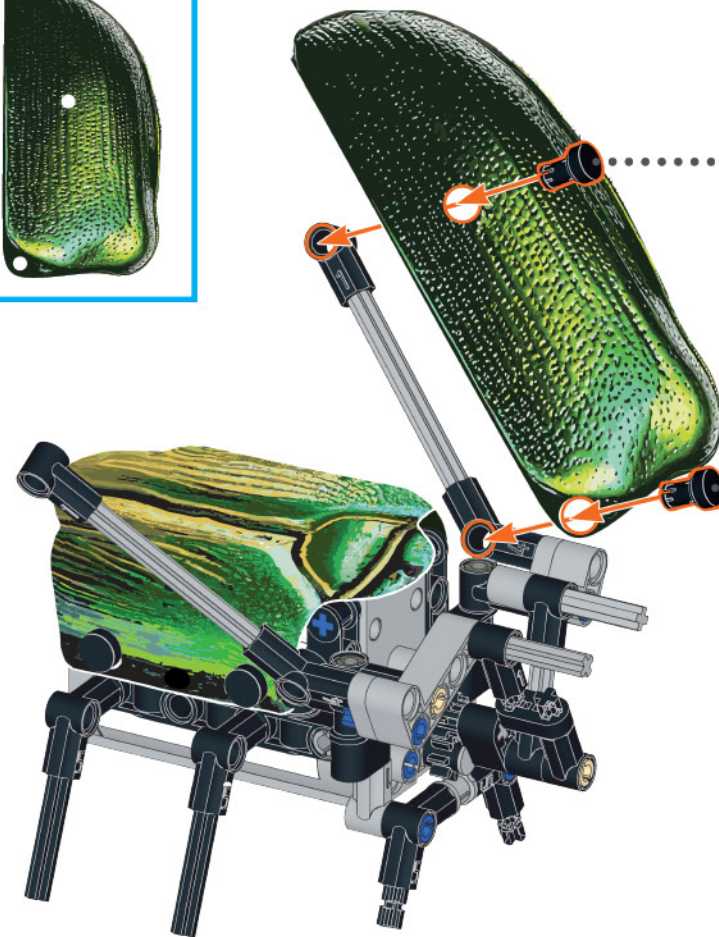
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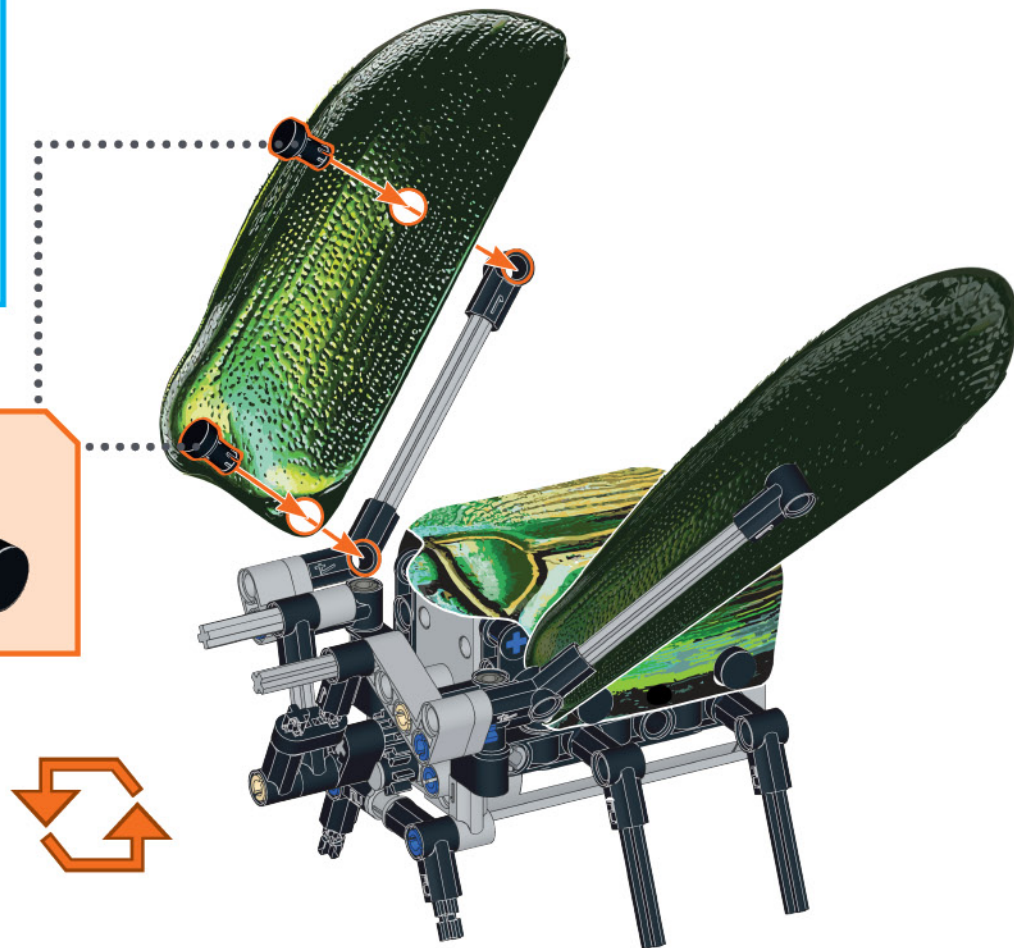
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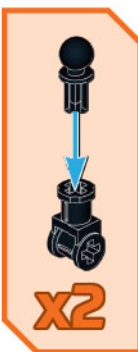
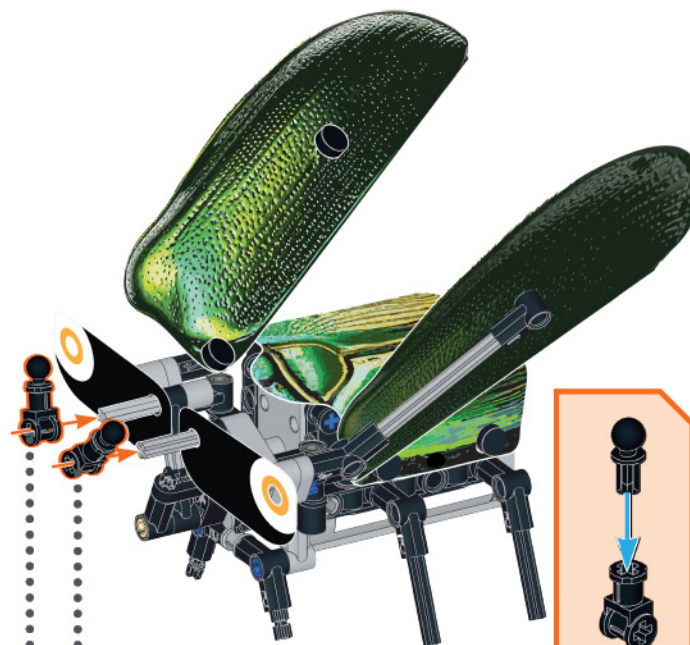
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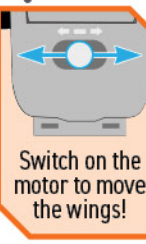
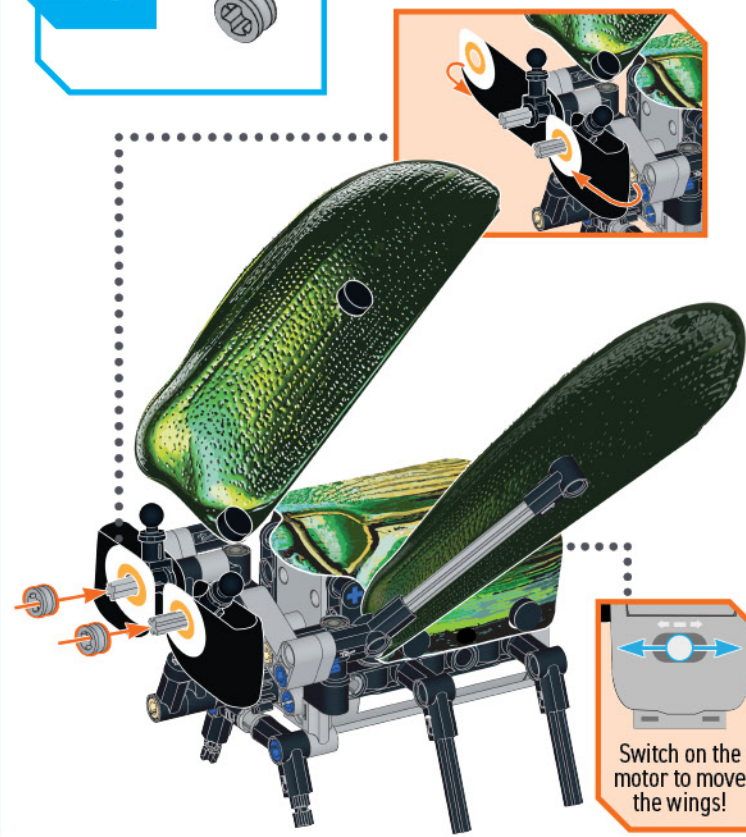
24



25



26



DESIGN YOUR OWN BUG!

There are hundreds of different kinds of flying insects in the world, all with unique markings and shapes!

Use the following templates to design your very own robotic bug. It could look like a real life bug or something from your imagination.

Need help deciding what to draw? Check out the ideas on this page to help you get started!

Once you've designed and colored in your template, carefully cut along the dotted lines and follow steps 20-26 to attach each piece to your robotic bug. **Tip:** A hole-punch from home is the perfect size for cutting the holes.



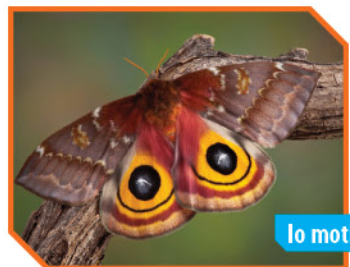
Tiger swallowtail



Blister beetle



Lychee stink bug



Io moth

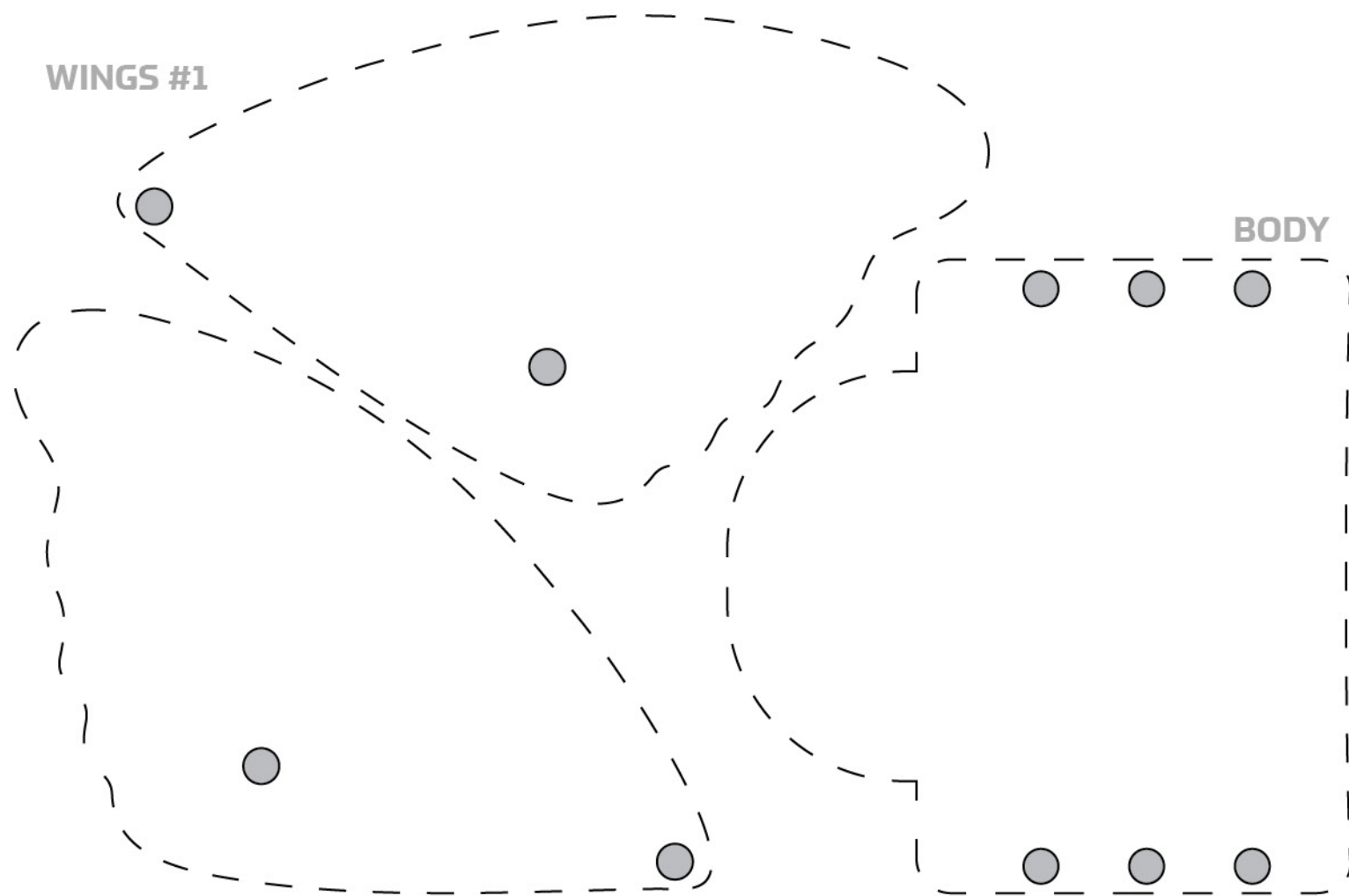


Cinnabar moth

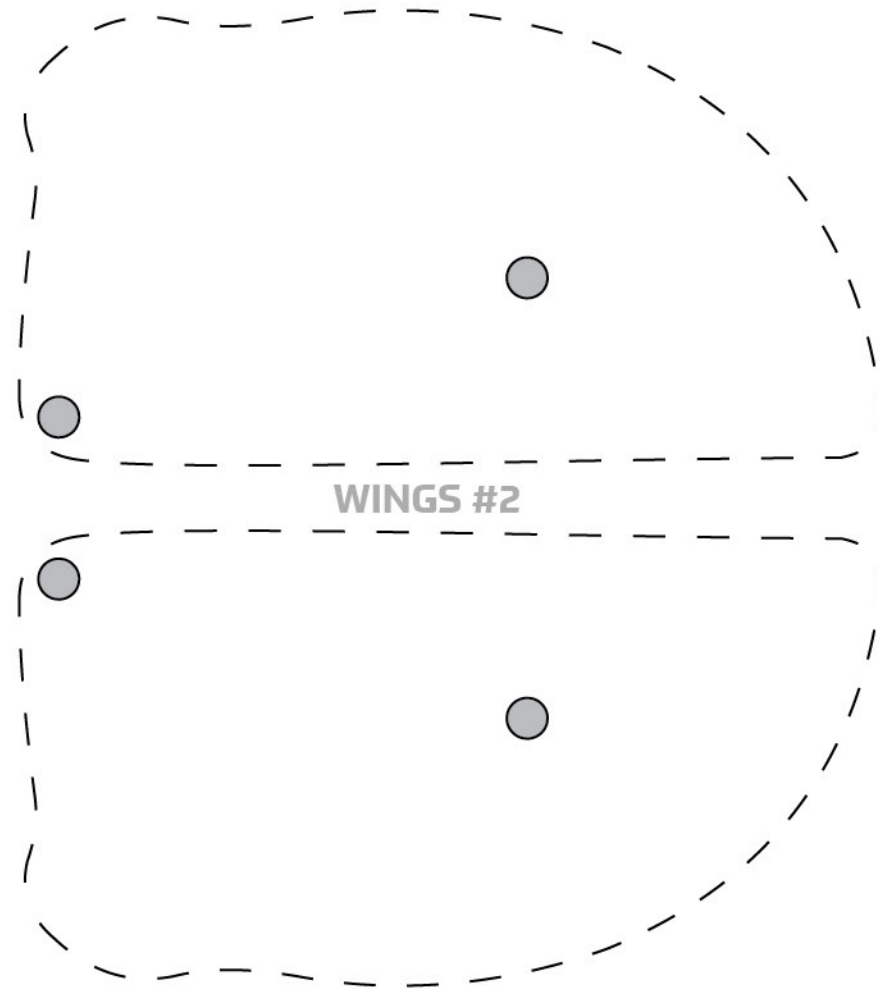


Polka dot wasp moth

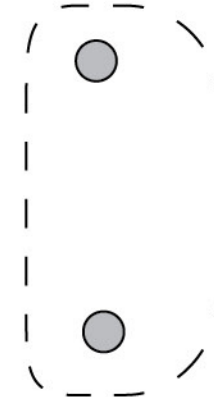
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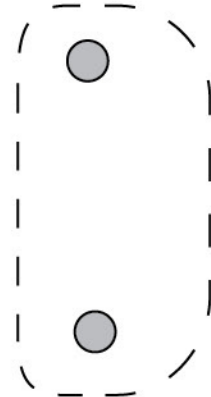
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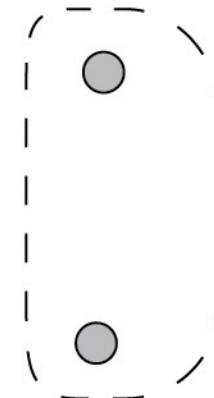
EYES #1



EYES #2



WINGS #2





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