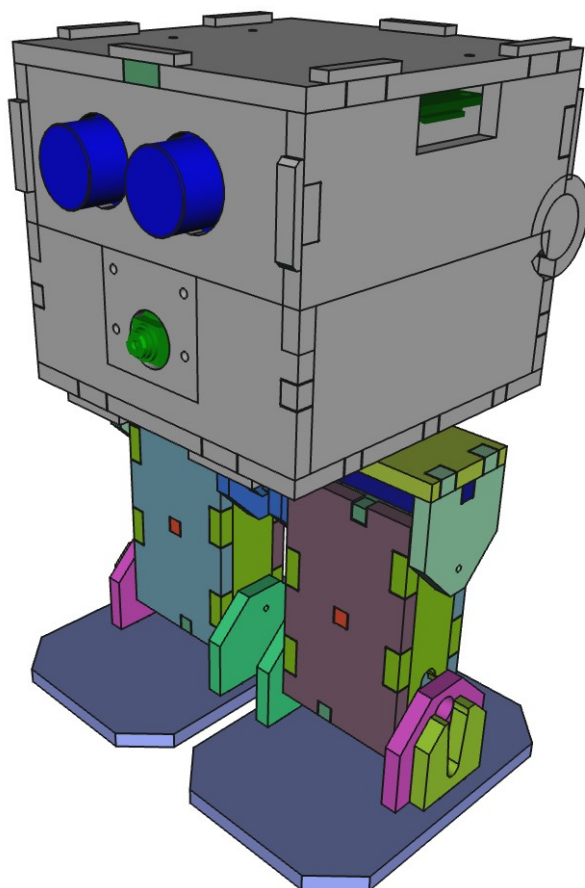


PERSONAL ROBOTICS



303-303

ASSEMBLY MANUAL

P E R S O N A L R O B O T I C S

Disclaimer:

This kit is meant for educational purposes only. It should never be trusted with any life supporting systems. Neither should it in any way be weaponized or used for harm in any way. Personal Robotics can not be held responsible for any damage or injuries caused by inexperienced use!

Due to continuous development, some of the depictions might differ slightly from the actual product.

PERSONAL ROBOTICS

SOME TIPS BEFORE YOU START:

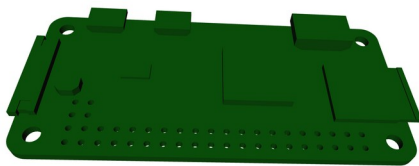
- USE A SOFT HAMMER TO CAREFULLY APPLY THE PIECES. DO NOT USE EXCESSIVE FORCE. NO GLUE IS NEEDED, UNLESS YOU BREAK SOMETHING. IF BROKEN, USE WOOD GLUE TO FIX.
- JOINTS CAN BE LUBRICATED WITH A DRY BAR OF SOAP.
- BE GENTLE WHEN TIGHTENING THE SERVO HORNS.
- LEFT AND RIGHT LEG PARTS ARE THE SAME BUT MIRRORED. ASSEMBLY IS SHOWED FOR ONE SIDE ONLY.
- IF YOU PLAN TO PAINT OR COAT THE ROBOT, YOU ARE ADVISED TO SAND AND PAINT BEFORE YOU REMOVE THE PIECES FROM THE TEMPLATE.
- MAKE SURE THAT THE SERVOS ARE IN THE RIGHT POSITION BEFORE YOU ASSEMBLE THE JOINTS.
- DISASSEMBLING THE ROBOT MIGHT BREAK SOME OF THE PARTS. PLAN AHEAD!
- THIS IS NOT A TOY. TREAT IT WITH CARE AND RESPECT.
- THIS KIT MIGHT NOT BE SUITABLE FOR CHILDREN YOUNGER THAN 12 YEARS.
- IF YOU WANT TO USE A BATTERY TO POWER THE ROBOT, CONSIDER UPCYCLING OLD BATTERIES FROM PHONES OR SIMILAR.
- HAVE FUN!

PERSONAL ROBOTICS

BOB-303
KIT

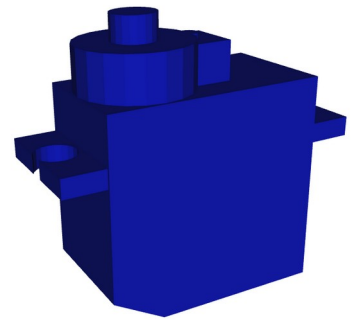
+

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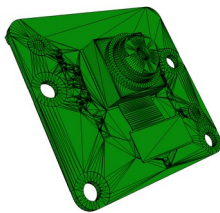
RASPBERRY PI
ZERO

6X



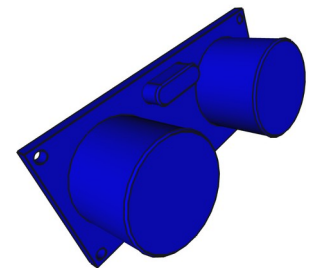
MG90 SERVO

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RASPBERRY PI
CAMERA

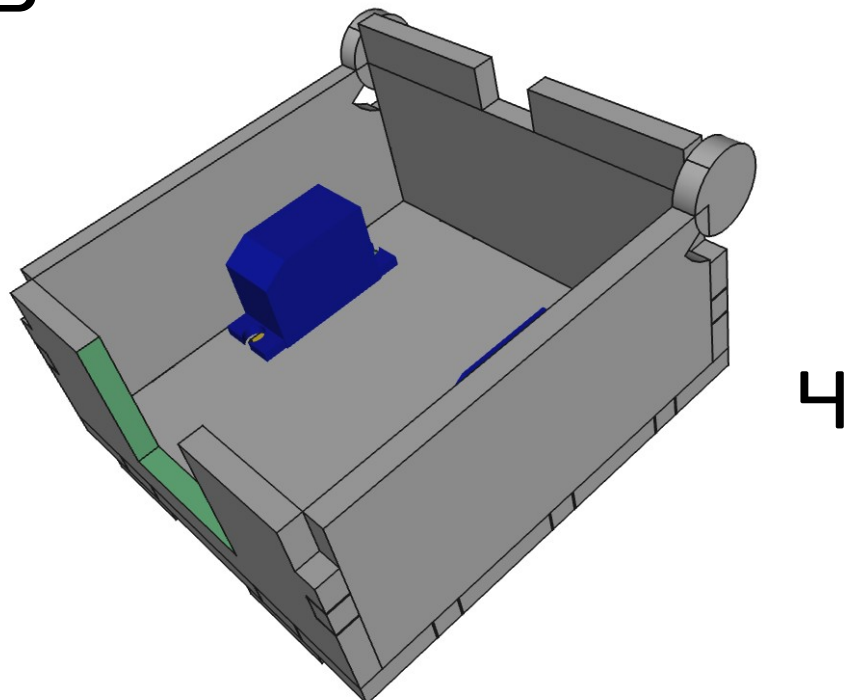
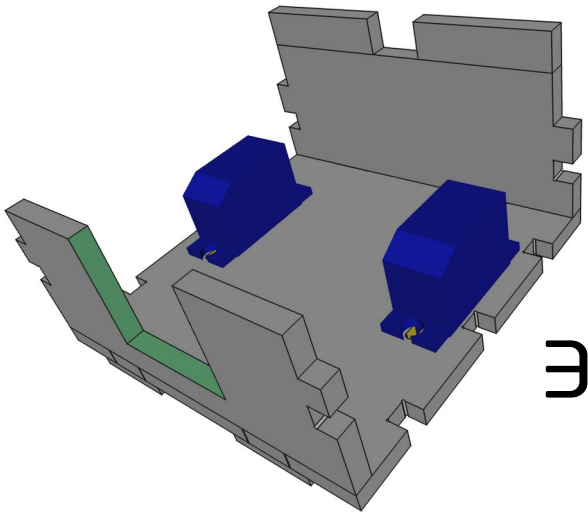
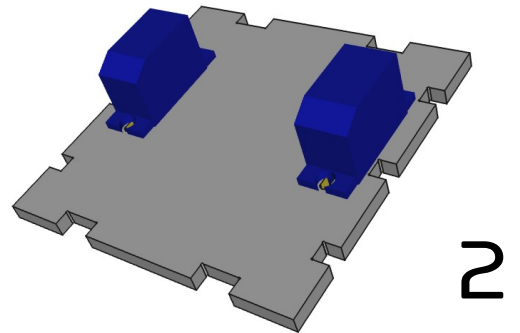
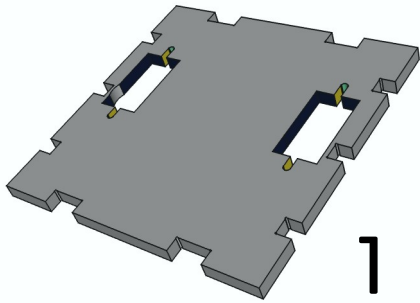
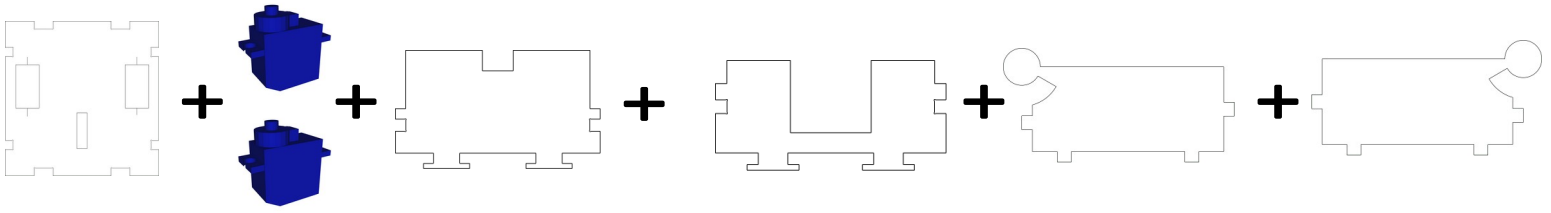
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HC-SR04

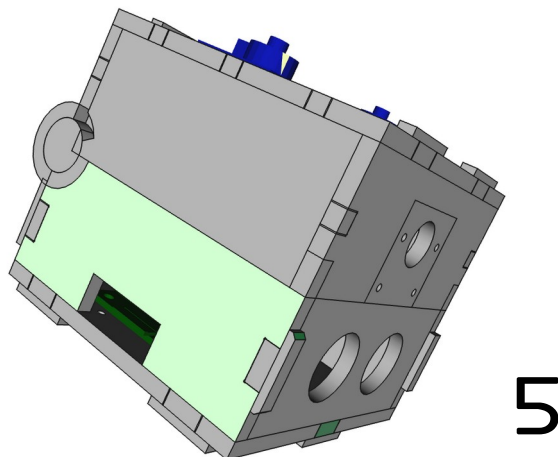
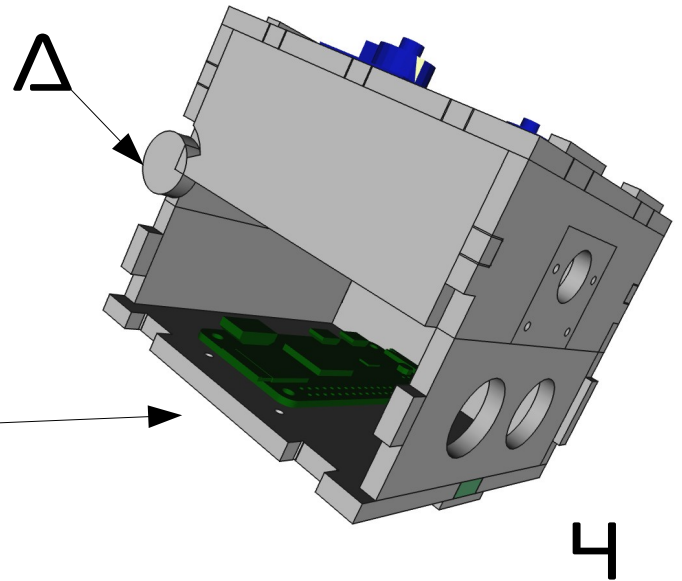
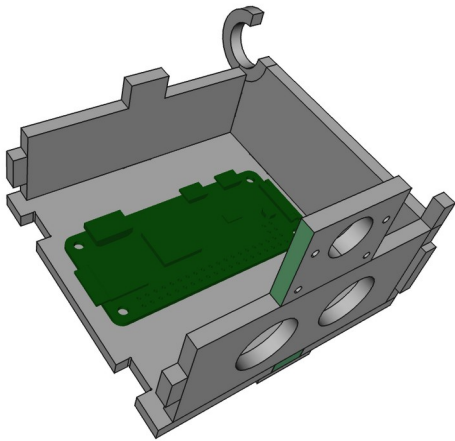
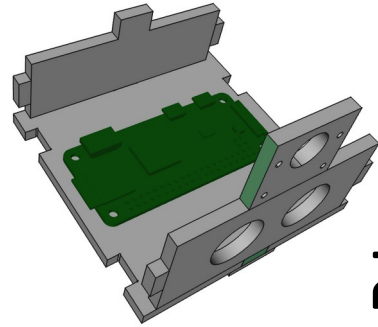
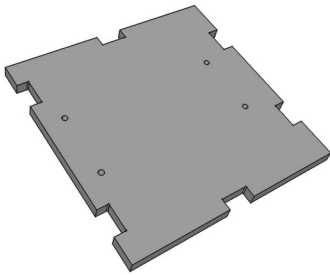
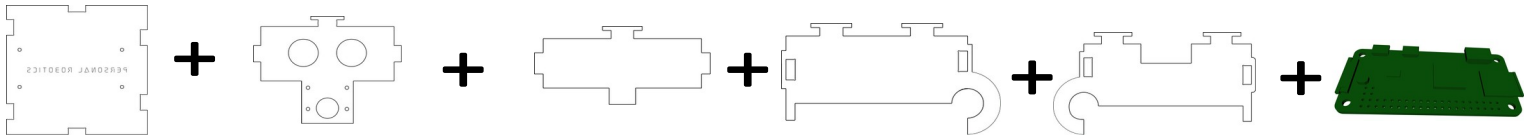
PERSONAL ROBOTICS

Δ



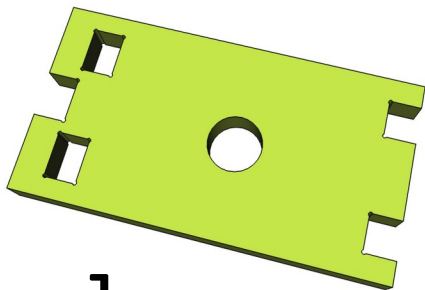
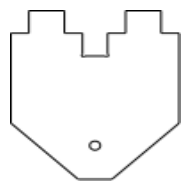
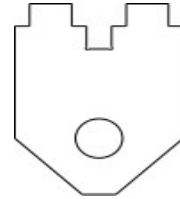
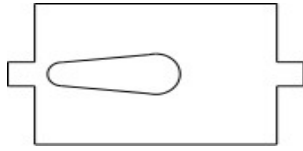
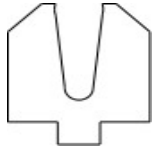
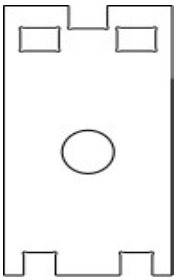
PERSONAL ROBOTICS

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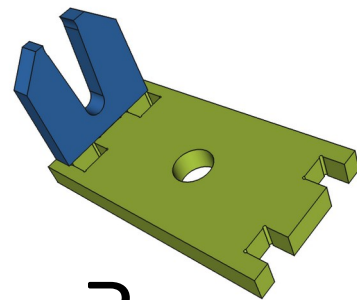


PERSONAL ROBOTICS

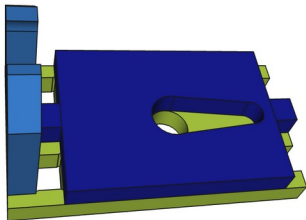
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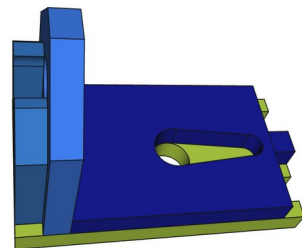
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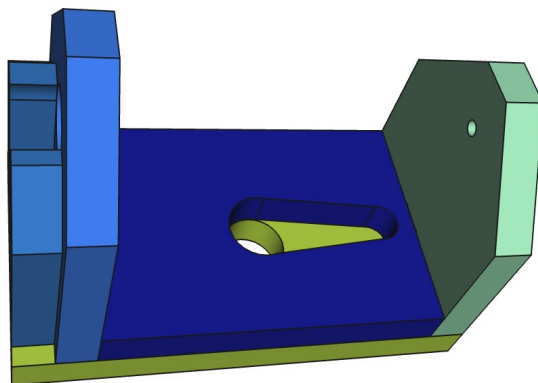
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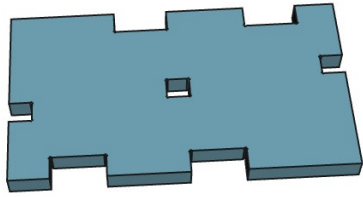
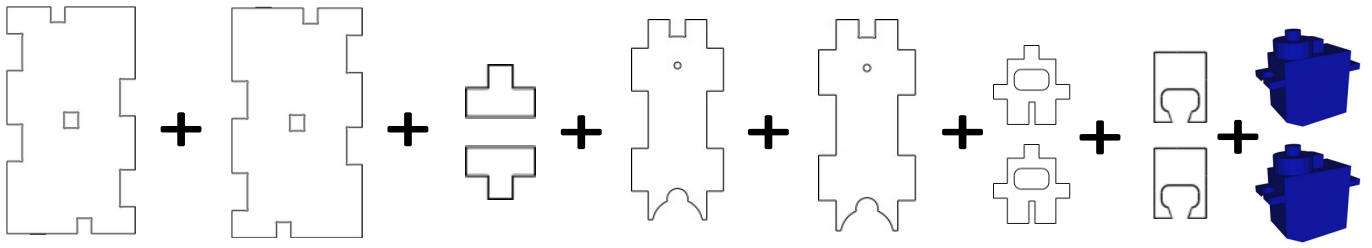


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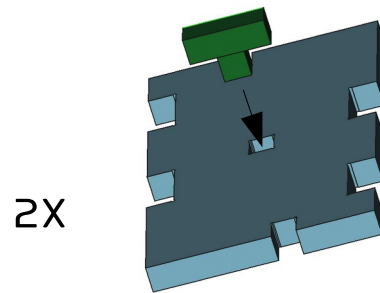
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PERSONAL ROBOTICS

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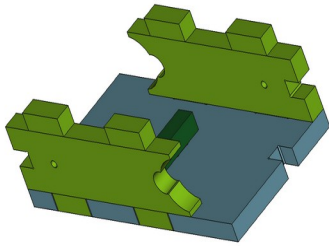


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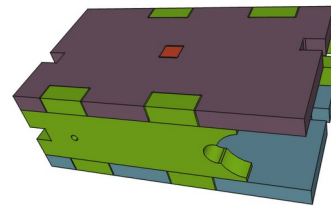


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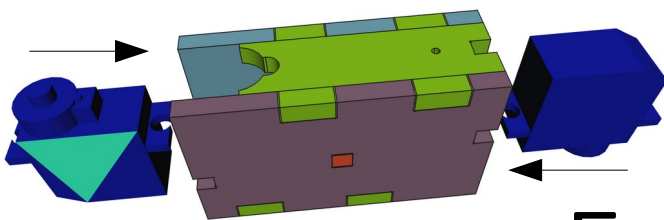
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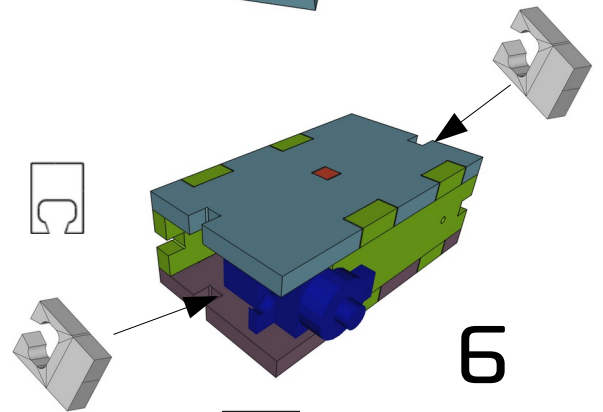
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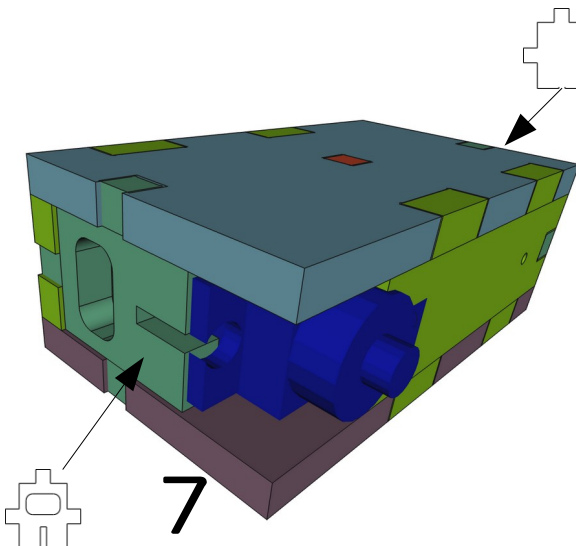
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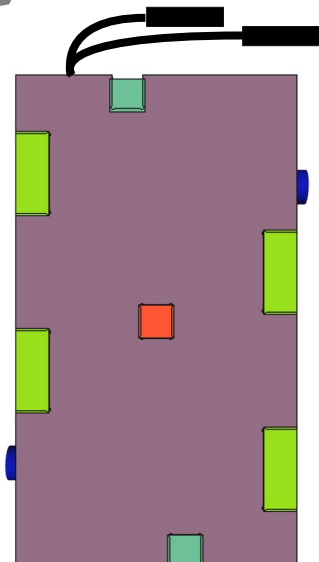


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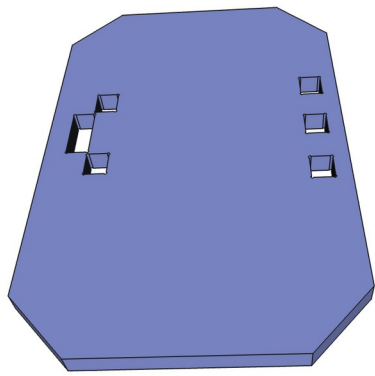
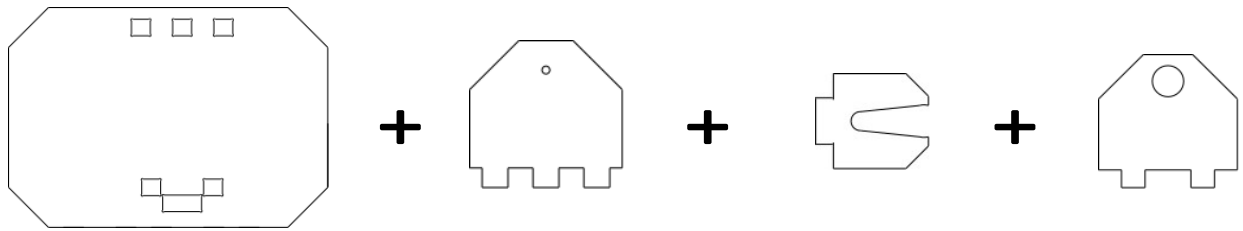
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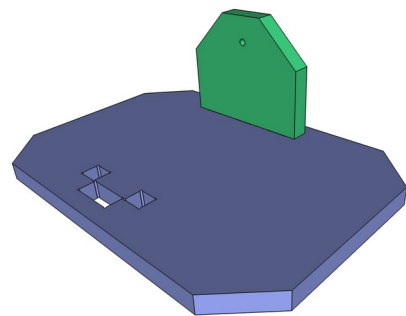
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PERSONAL ROBOTICS

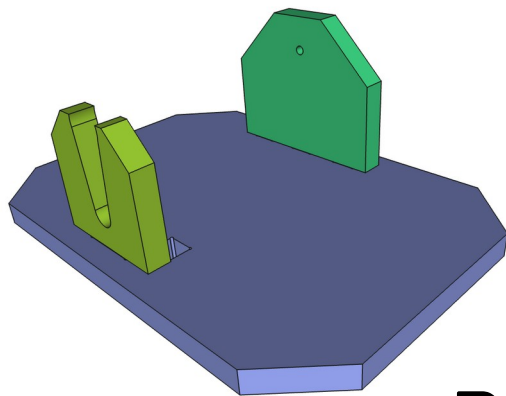
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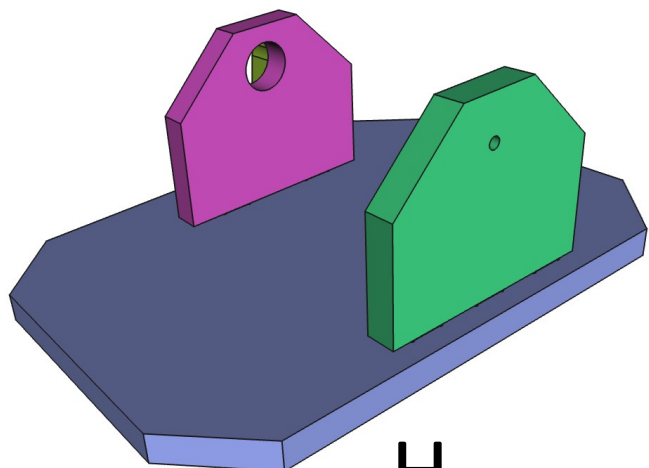
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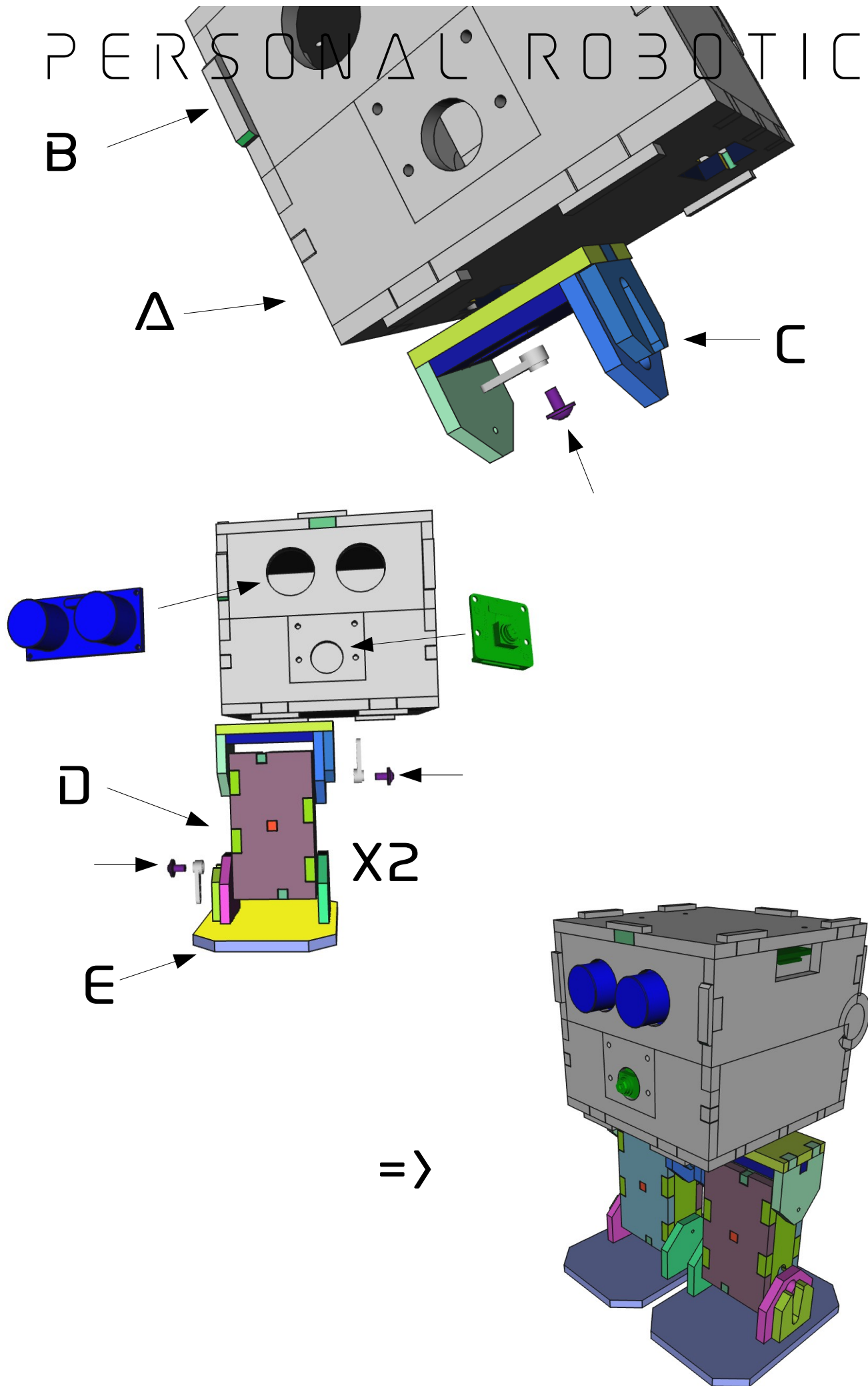
3



4

x2

PERSONAL ROBOTICS



PERSONAL ROBOTICS

CONGRATULATIONS!

YOU HAVE JUST BUILT YOUR PERSONAL ROBOT.
NOW IT IS TIME TO LEARN HOW A ROBOT WORKS.

NEXT YOU MIGHT WANT TO TEACH YOUR ROBOT HOW TO

- MOVE
- SEE
- TALK
- LISTEN
- THINK

HEAD OVER TO [HTTP://PERSONALROBOTICS.EU](http://personalrobotics.eu) FOR MORE
INFORMATION ABOUT WIRING AND PROGRAMMING.