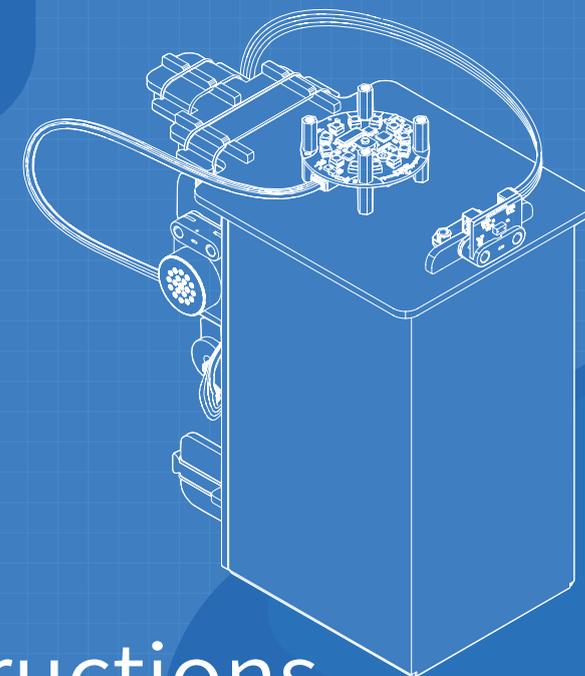
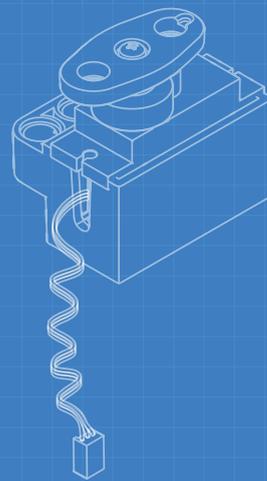


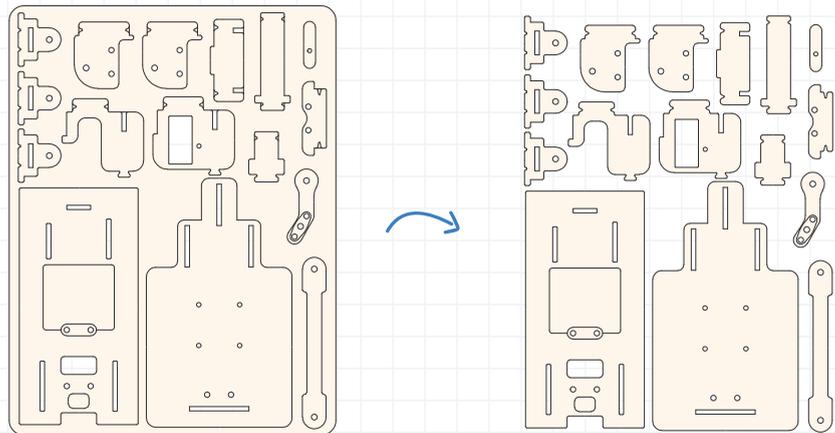
makeblock



Building Instructions

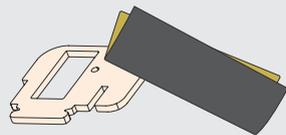
Smart Trash Bin

1 Take out the wood boards.



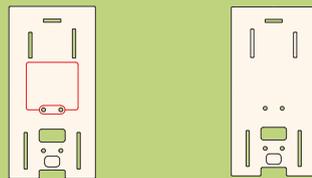
Pro tips

Use the sandpaper included to sand a smooth finish on the wood board before you start installing it.

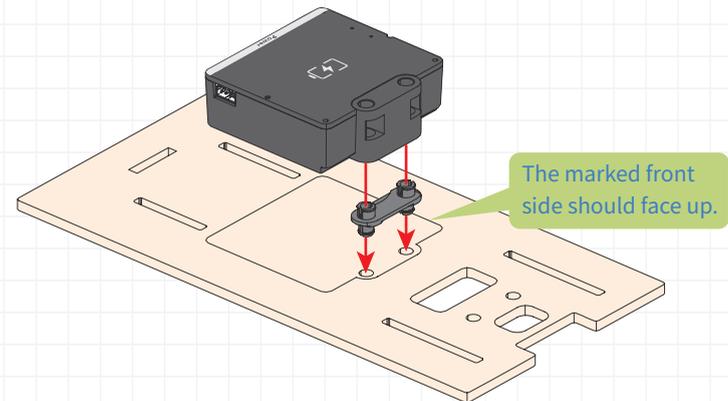


2 Install the power module.

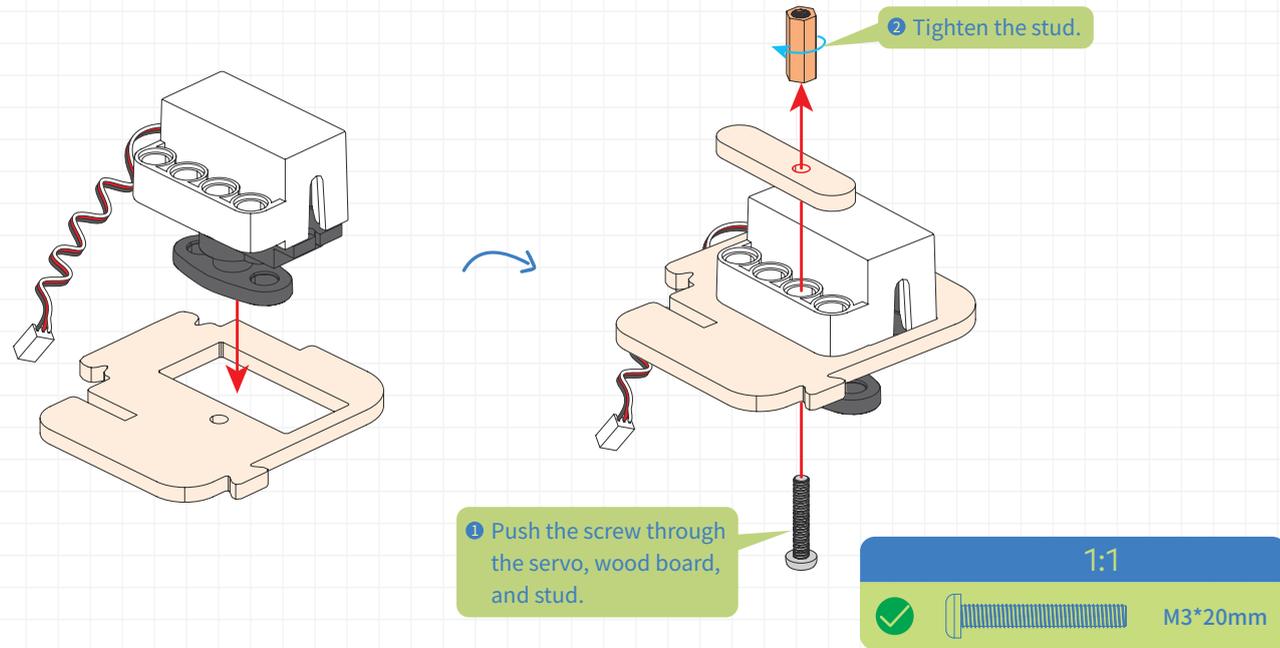
Make sure you correctly identify the front and back sides. The front side has marks while the back side has no marks.



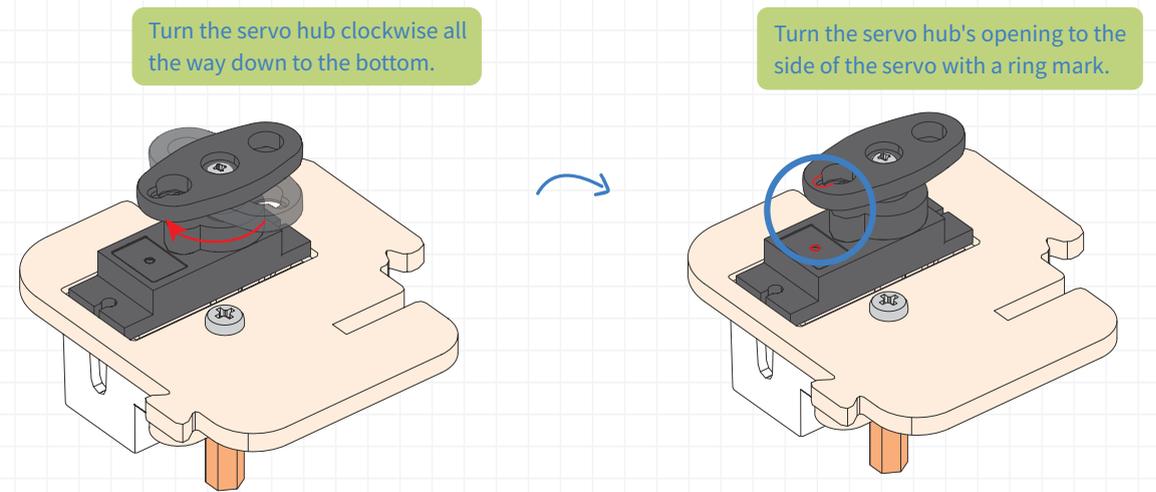
Front (with marks) Back (without marks)



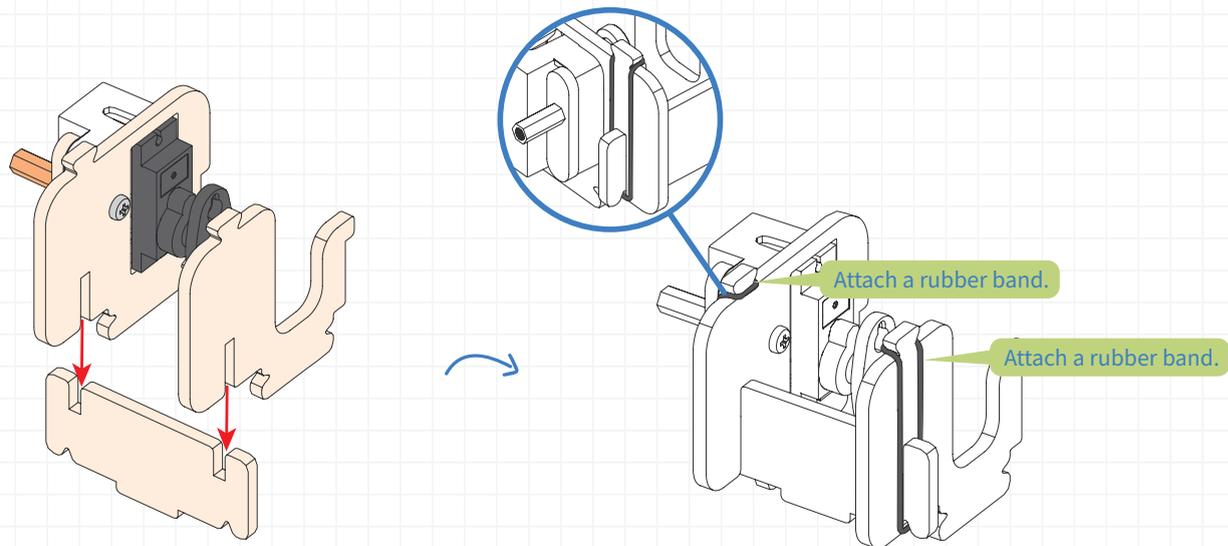
3 Install the servo.



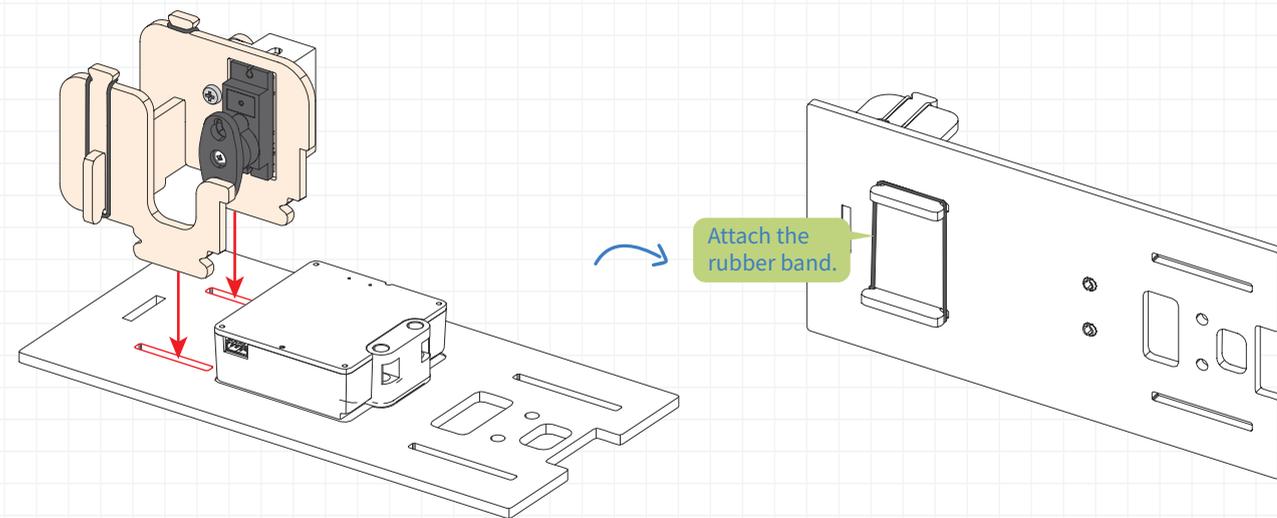
4 Adjust the servo hub.



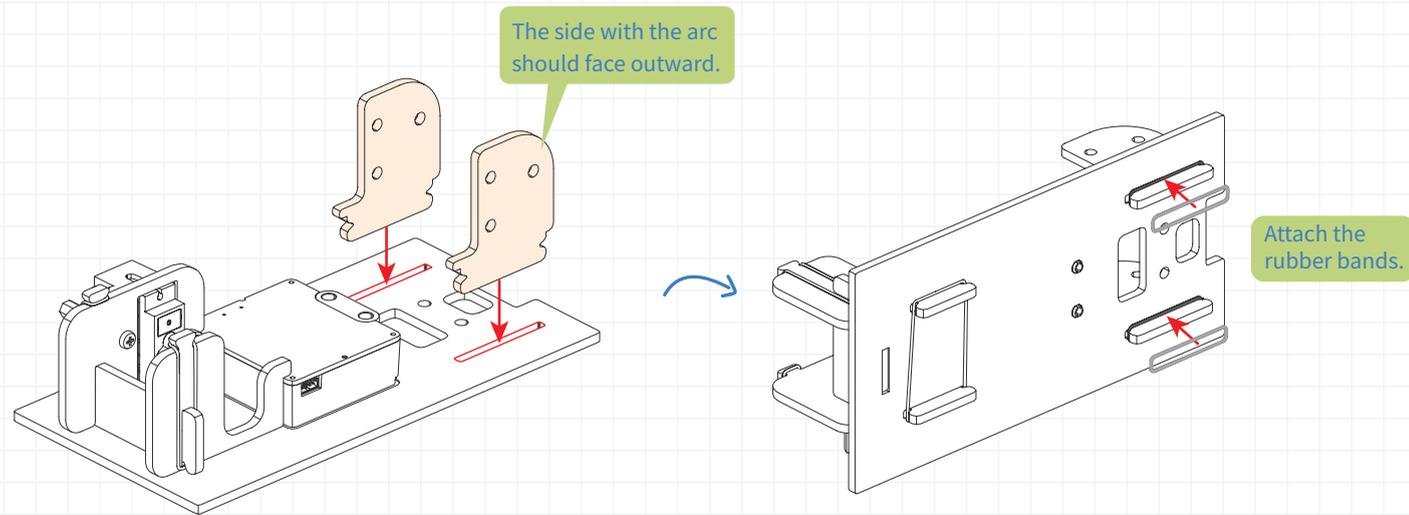
5 Combine the wood boards as shown and secure them with rubber bands.



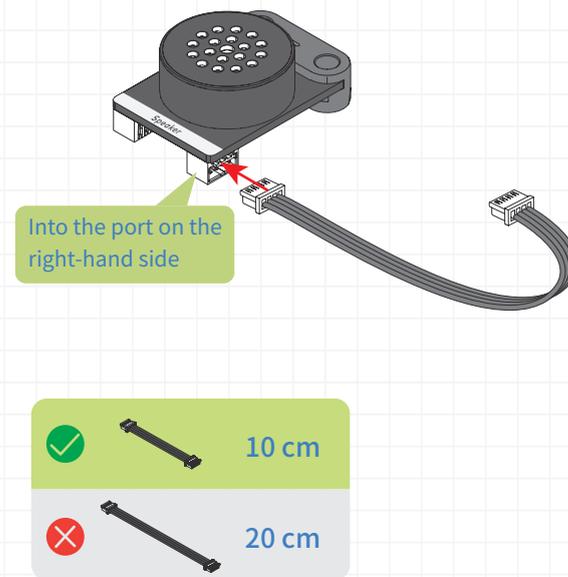
6 Install the wood boards and hold them in place with a rubber band.



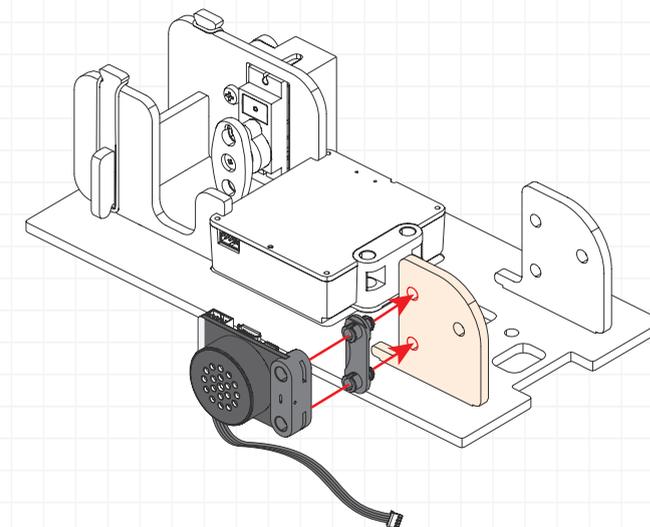
7 Slot in the wood boards as shown and secure them with rubber bands.



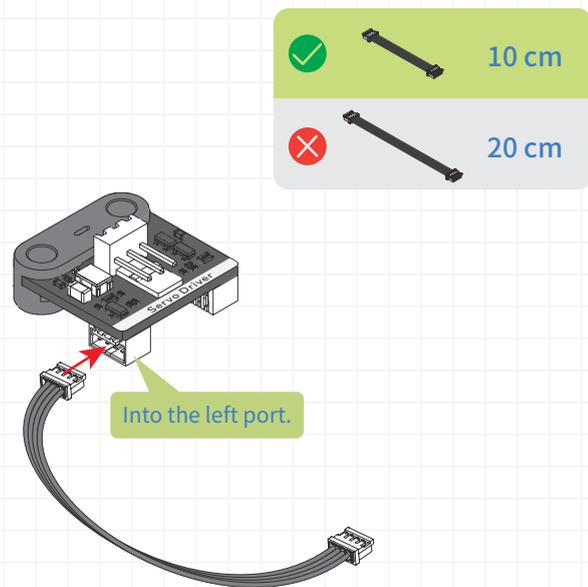
8 Insert a 10 cm connection cable into the right port of the speaker.



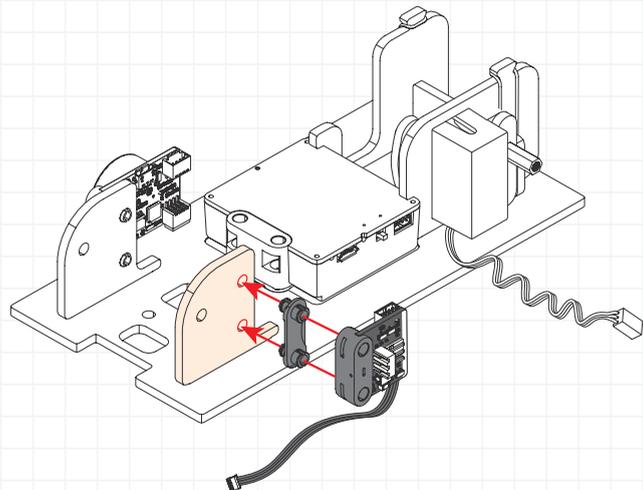
9 Use an M4 adapter to mount the speaker on the wood board shown below.



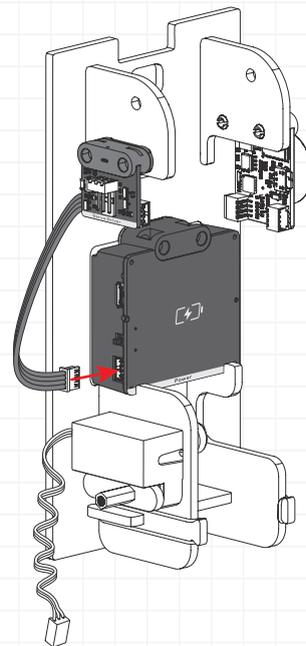
10 Insert a 10 cm connection cable into the left port of the servo driver.



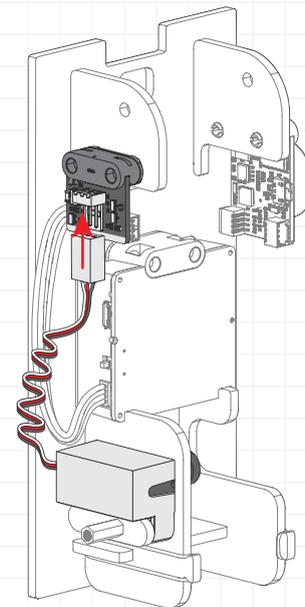
11 Use an M4 adapter to attach the servo driver to the wood board as shown.



12 Connect the servo driver to the power module.

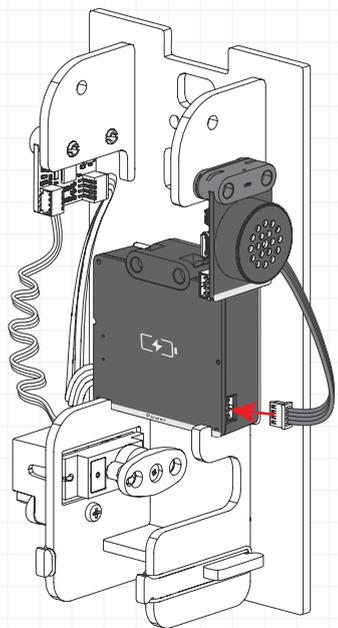


13 Plug the servo cable into the servo driver.



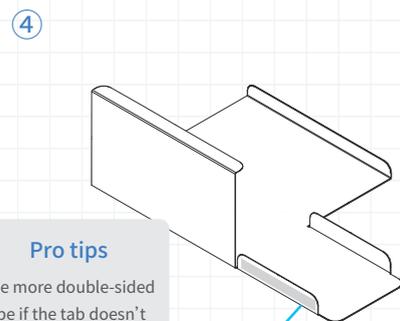
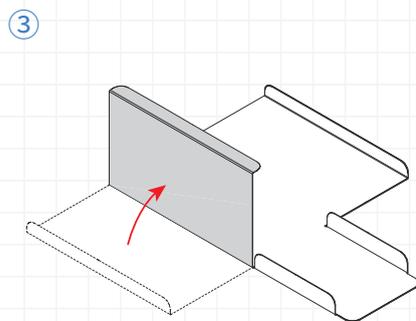
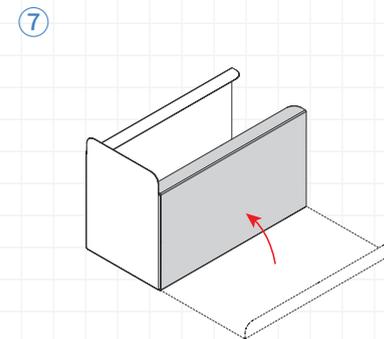
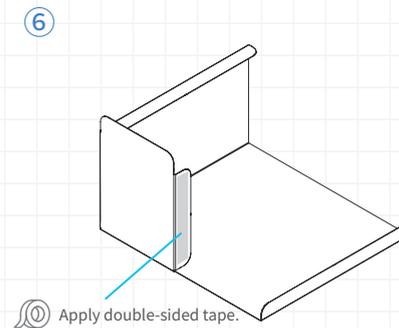
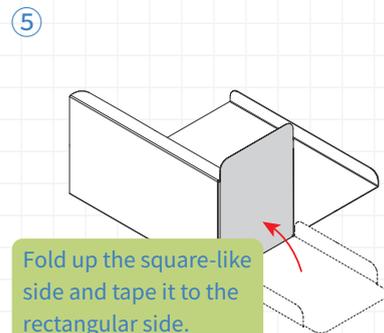
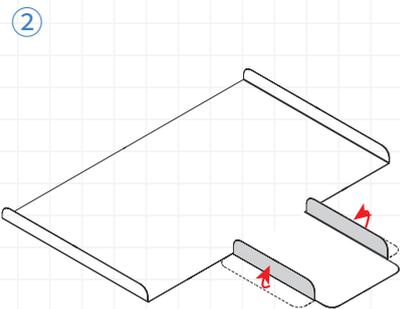
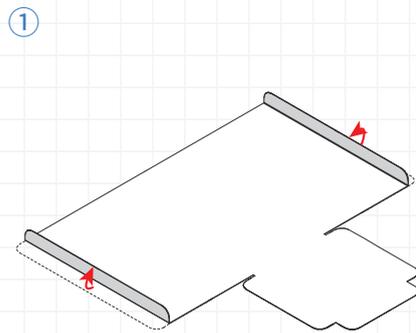
14

Connect the speaker to the power module.

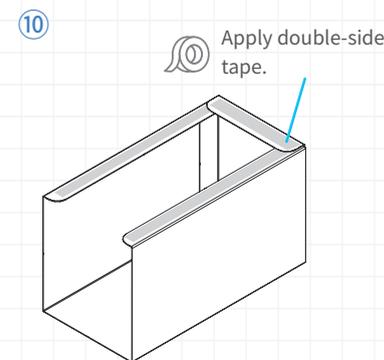
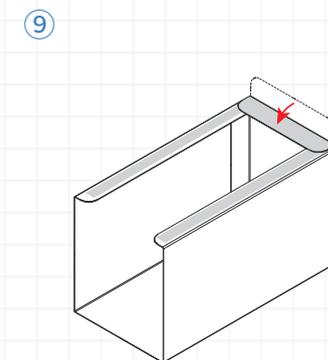
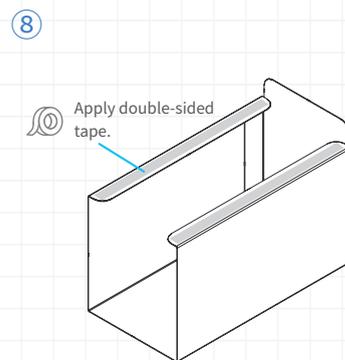


15

Fold the cardboard.

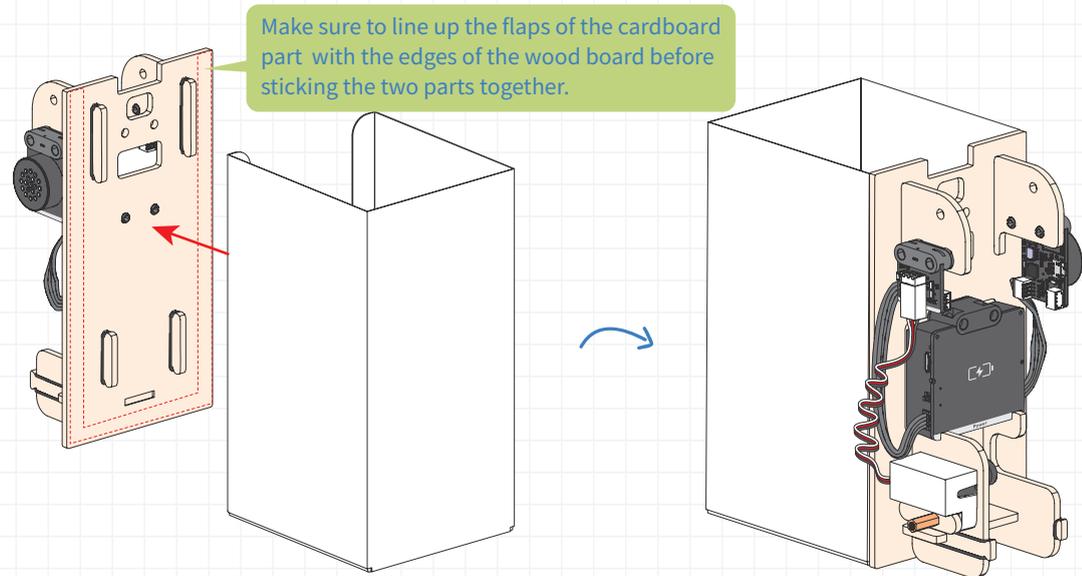


Pro tips
Use more double-sided tape if the tab doesn't stick firmly.



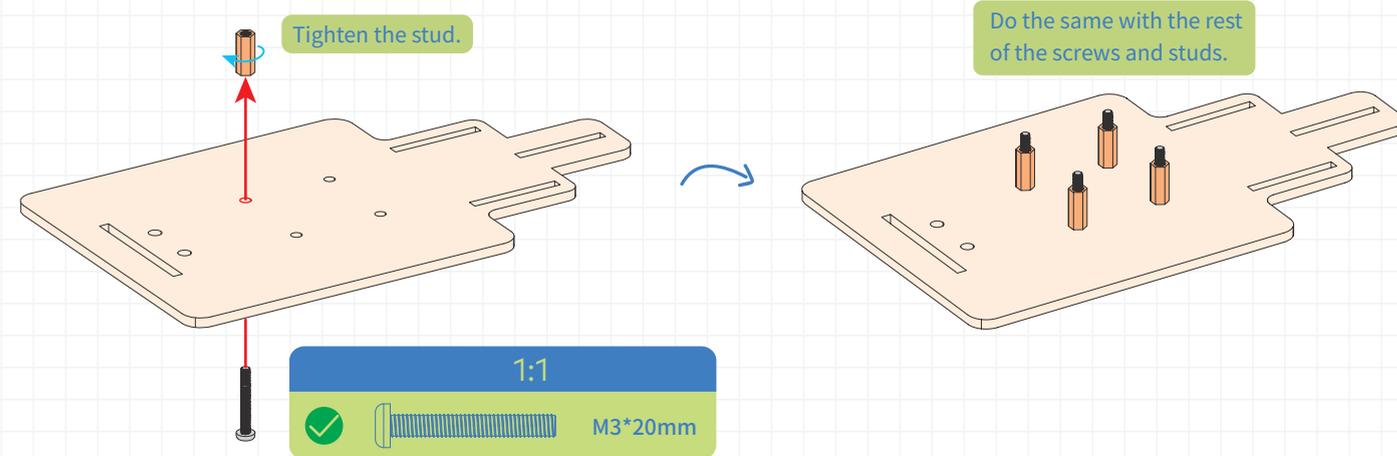
16

Stick the cardboard part and wood board together.

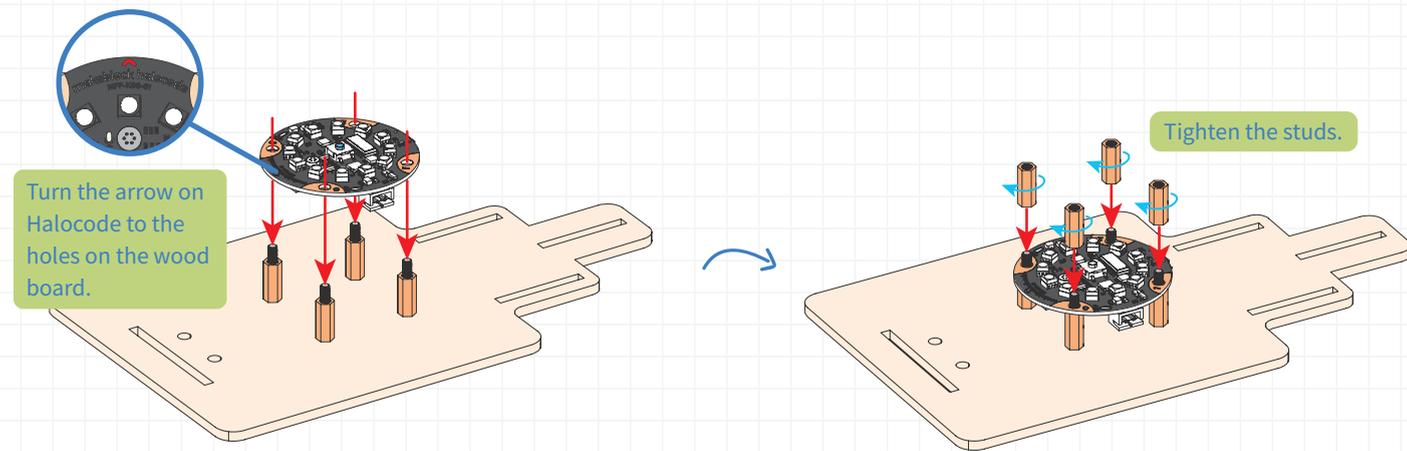


17

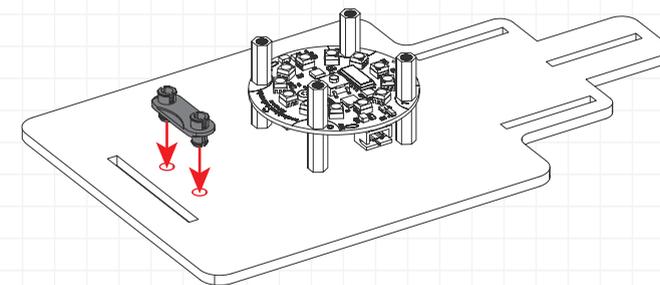
Install screws and studs.



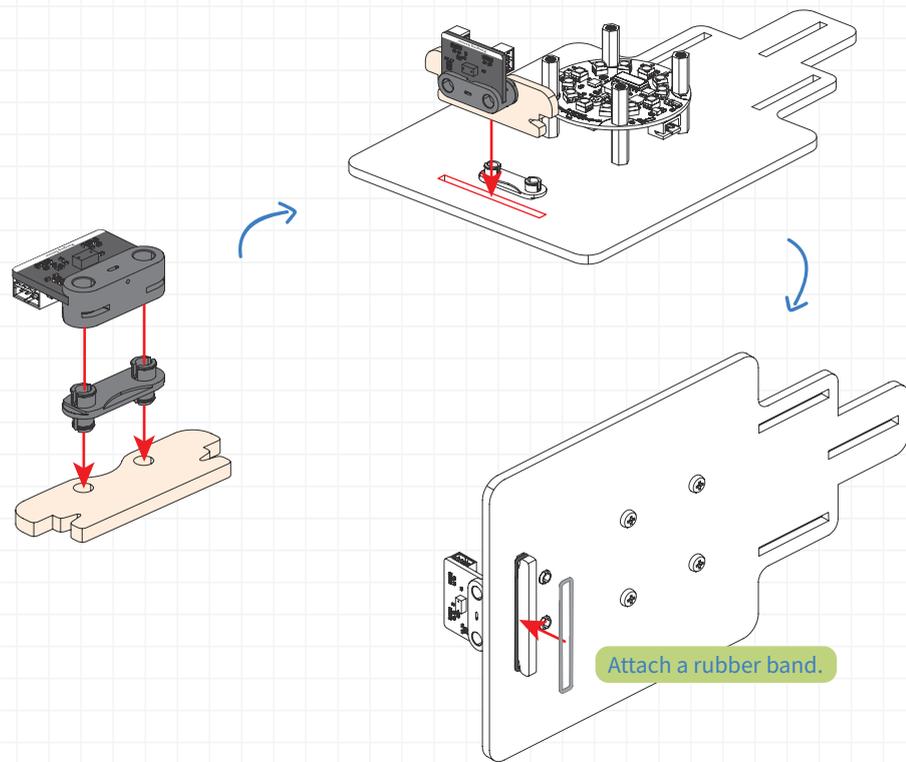
18 Install Halocode.



19 Put in an M4 adapter.

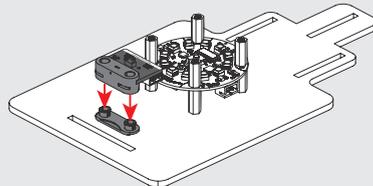


20 Install the ranging sensor.

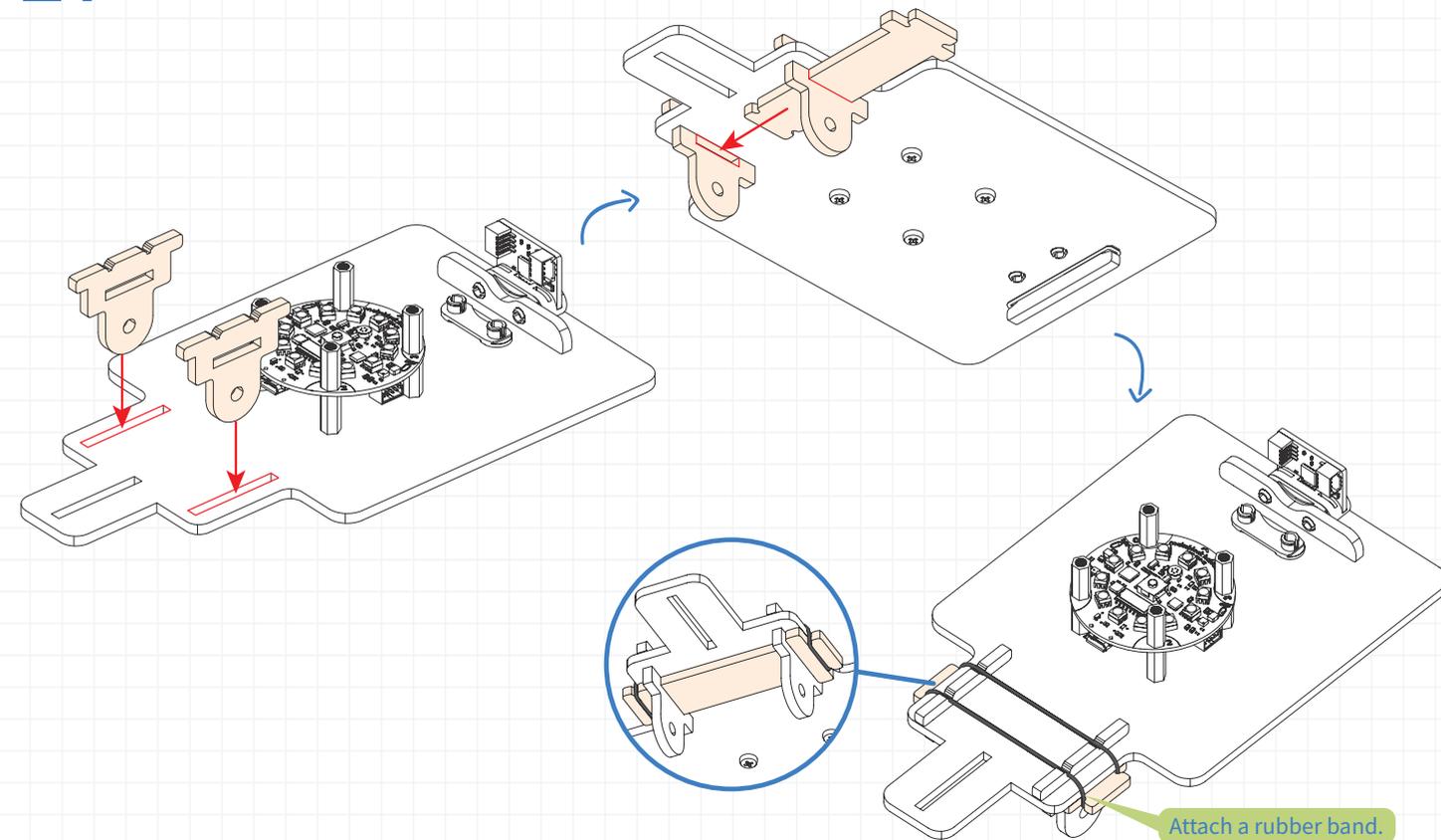


Pro tips

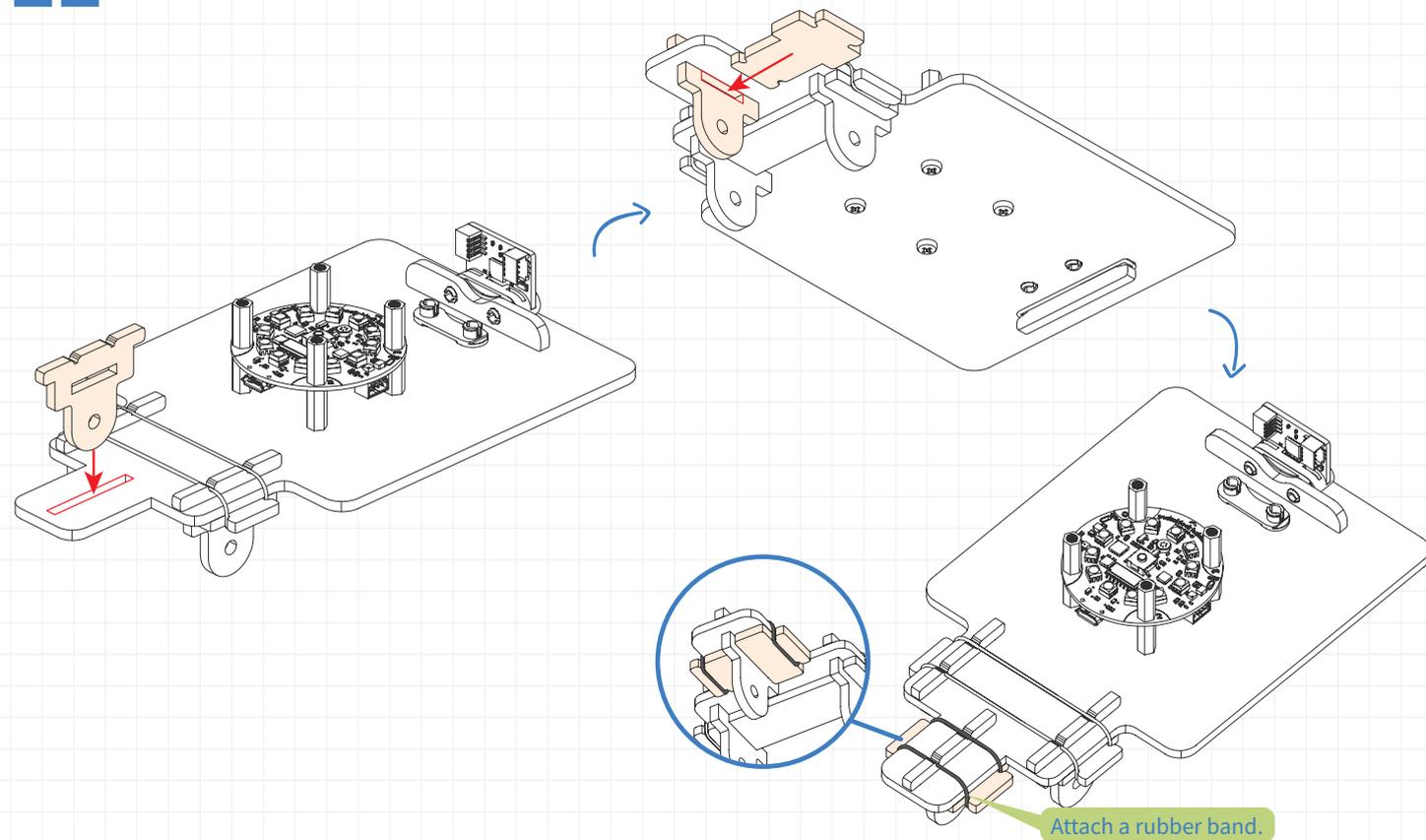
You can also mount the ranging sensor on the M4 adapter with the sensor facing up. Different ways of installation offer different options to use the bin.



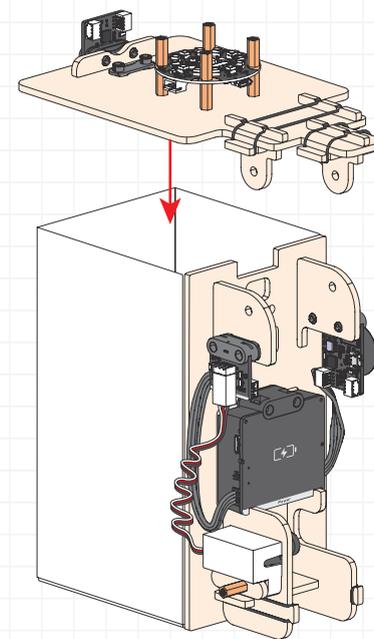
21 Insert the wood boards as shown and bind them with a rubber band.



22 Install the wood boards as shown and bind them with a rubber band.

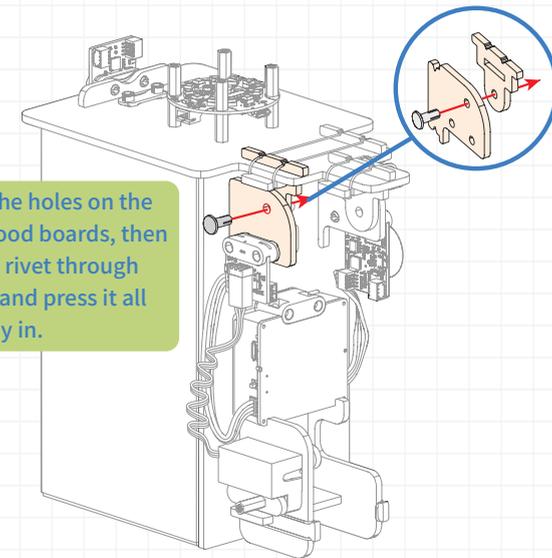


23 Place the lid on the main body.

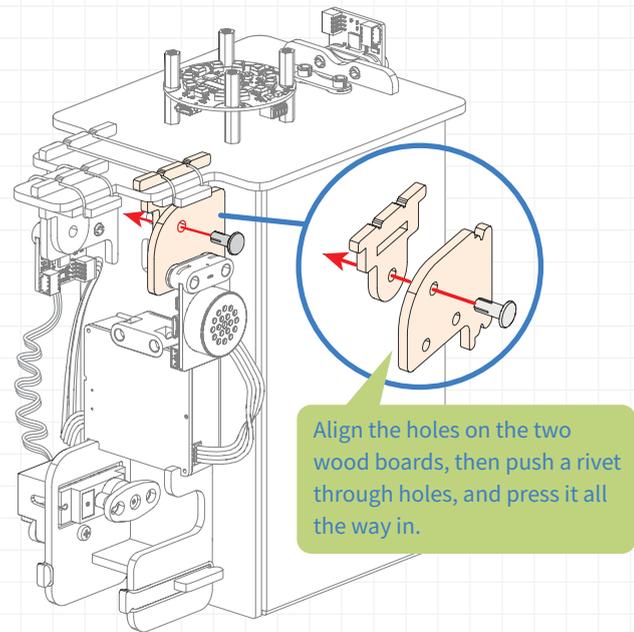


24

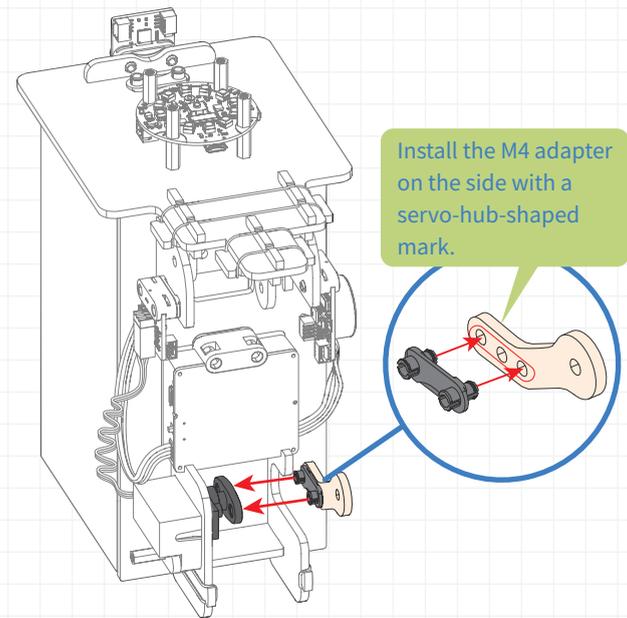
Align the holes on the two wood boards, then push a rivet through holes, and press it all the way in.



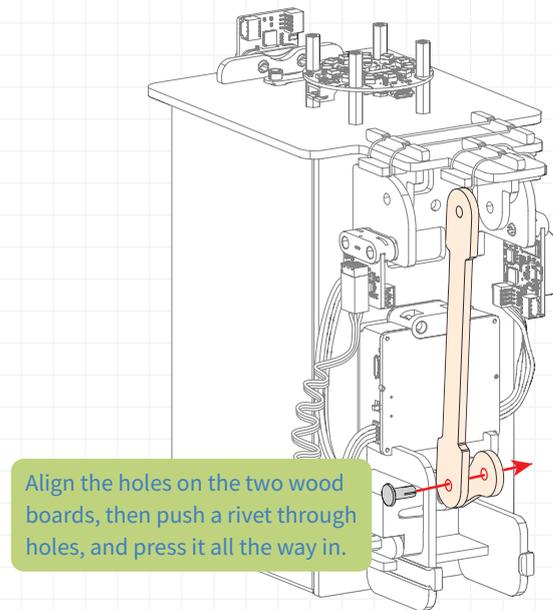
25



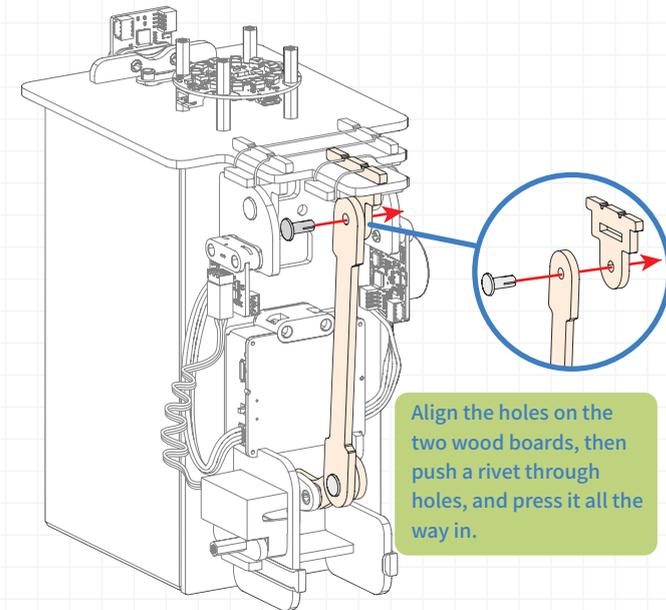
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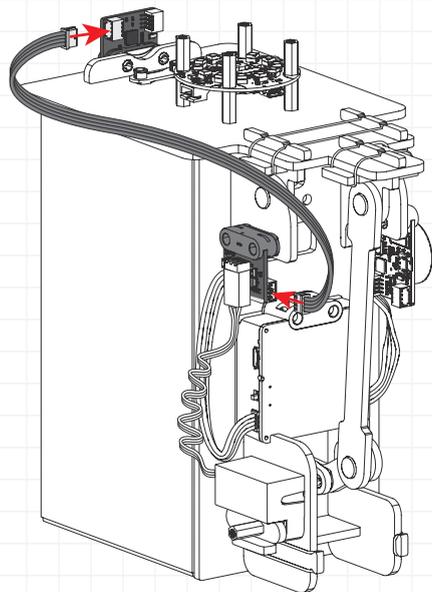
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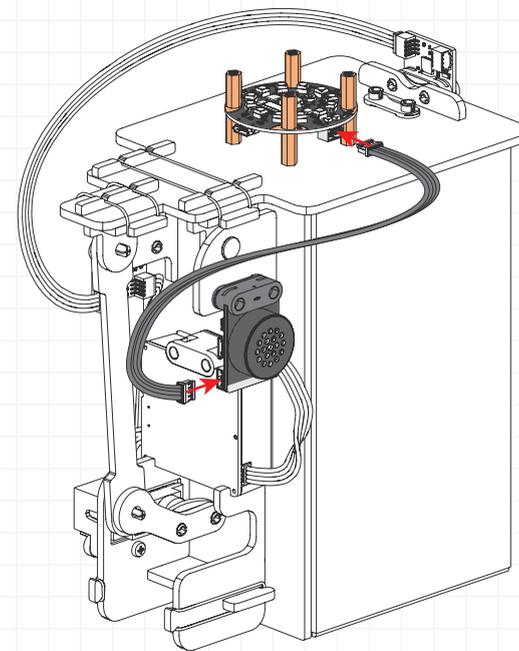
28



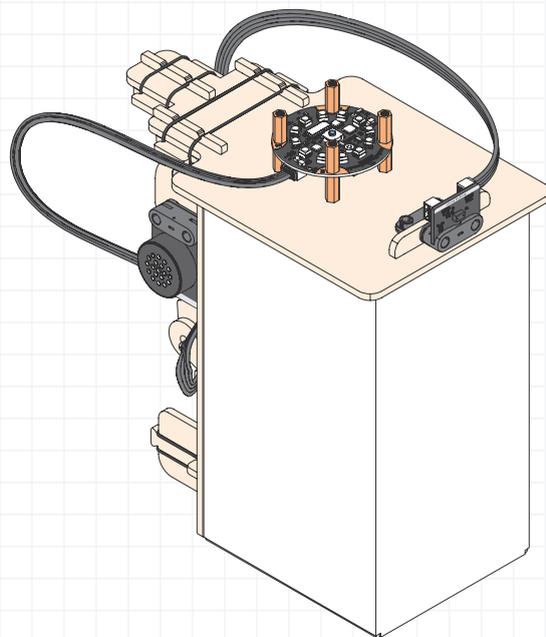
29 Connect the servo driver and the ranging sensor using a 20 cm connection cable.



30 Connect Halocode and the speaker with a 20 cm connection cable.



31 Nice! The smart trash bin is complete!



32 Now, return to mBlock on your PC or iPad and program your project.

