

Electric Tank V2



Understanding Tanks

Know what is
happening in the
picture?





CraftHausz



What weapons
were used in
the war?





Tank Introduction



Tanks are one of the main weapons in modern land warfare, possessing direct fire capability, off-road ability, and armored protection. They are tracked armored combat vehicles and are the only land weapons more important than wheeled armored vehicles. They are mainly used to engage enemy tanks or other armored vehicles, and can also suppress and destroy anti-tank weapons, demolish fortifications, and eliminate enemy ground forces.



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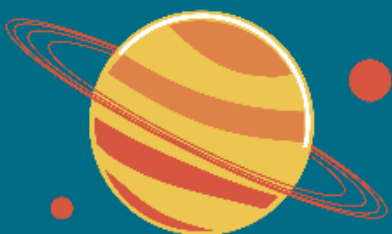
Tank Classification

Tanks can be classified into light, medium, and heavy types based on combat weight and gun caliber. Since the 1960s, many countries have classified tanks by purpose into main battle tanks and special-purpose tanks. Main battle tanks are the primary combat weapons of modern armored forces, used to complete various combat missions. Special-purpose tanks are equipped with various special equipment and undertake specialized tasks, such as reconnaissance, airborne, flamethrower, and amphibious tanks.



Experiment Steps

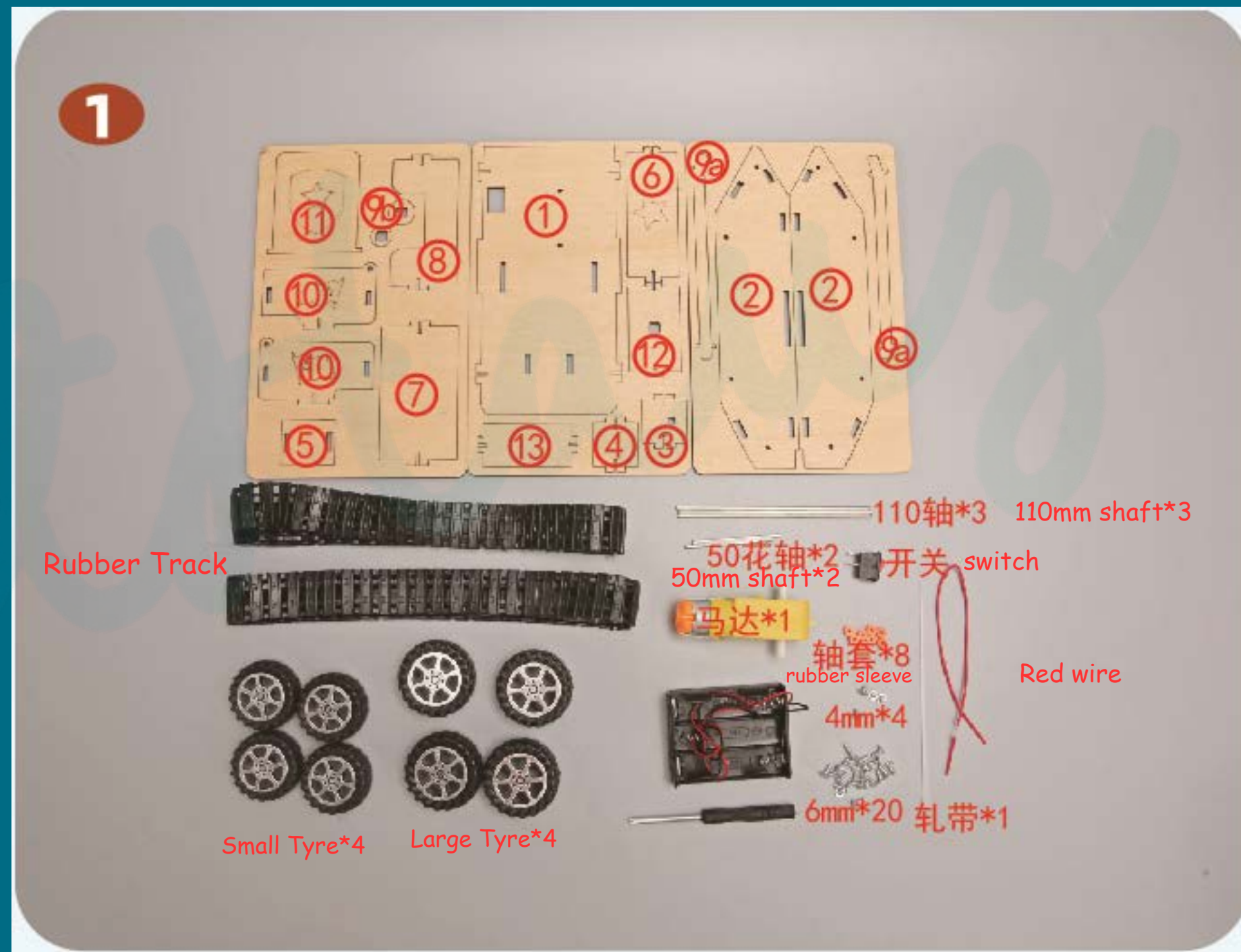


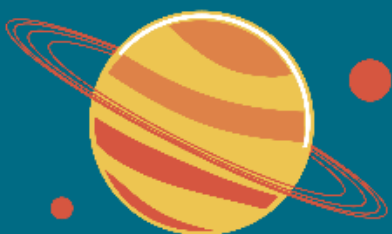


01



Identify Materials

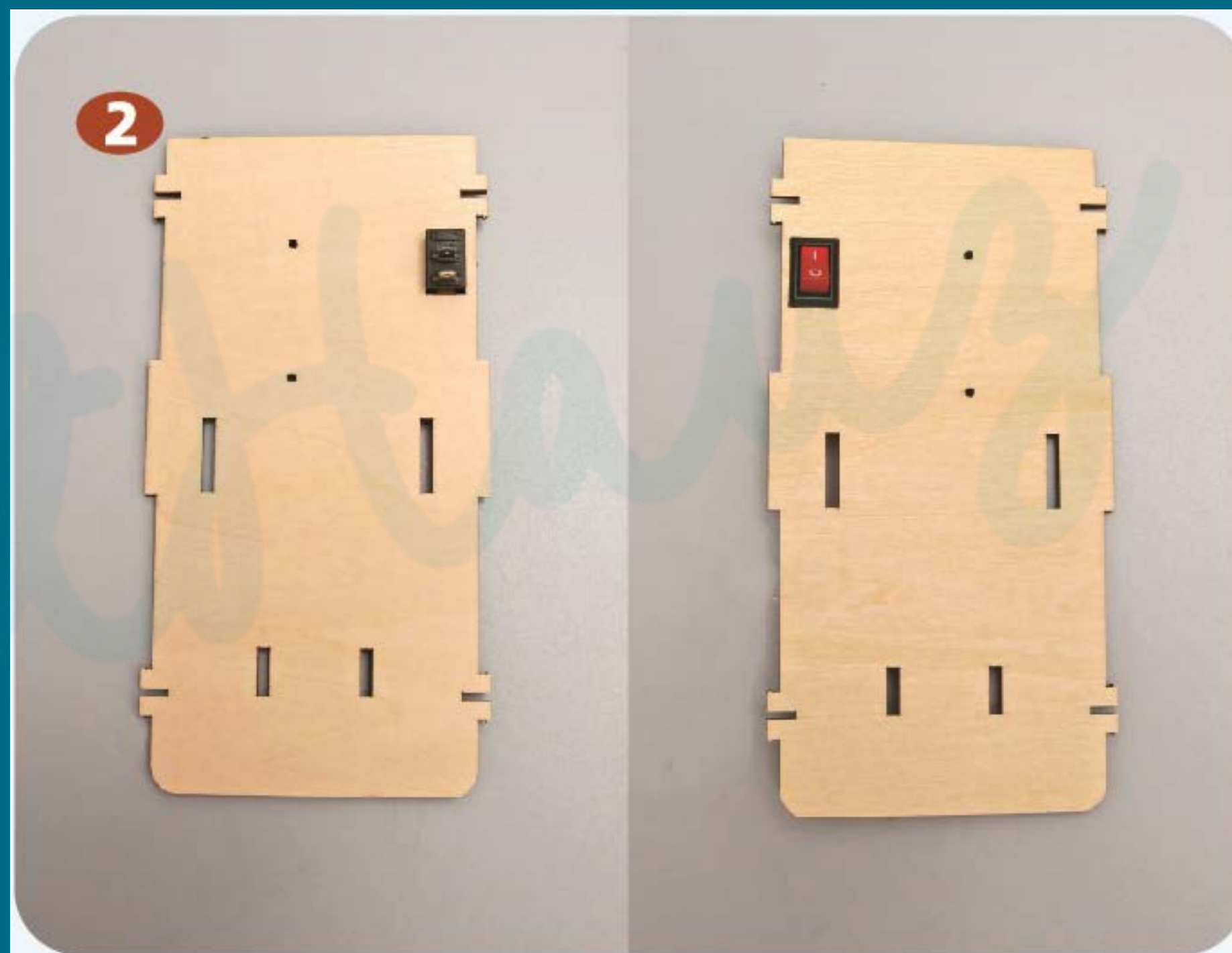


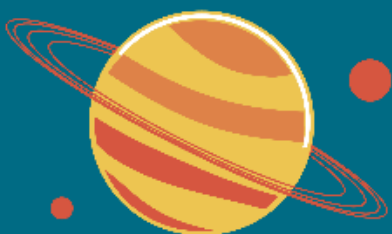


02



Assemble board
#1 and the switch
as shown

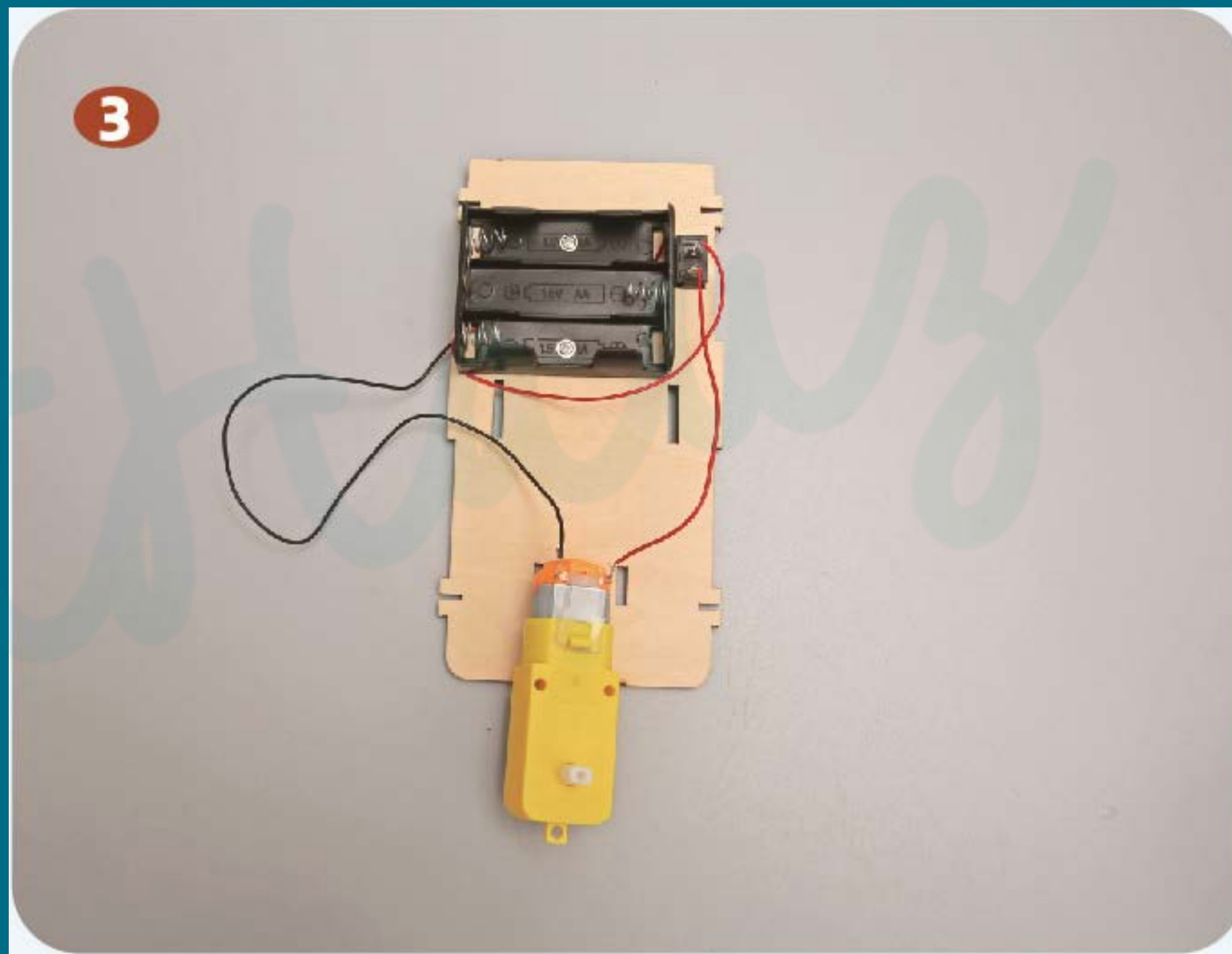


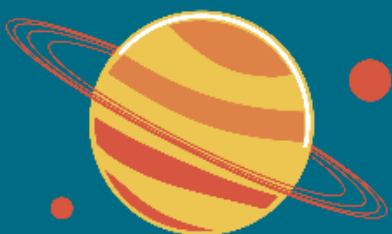


03



As shown, connect the battery box, motor, and switch. Connect another red wire. Fix the battery box with 4mm screws (Note: the switch controls the red positive wire, and the black wire connects to one end of the motor)

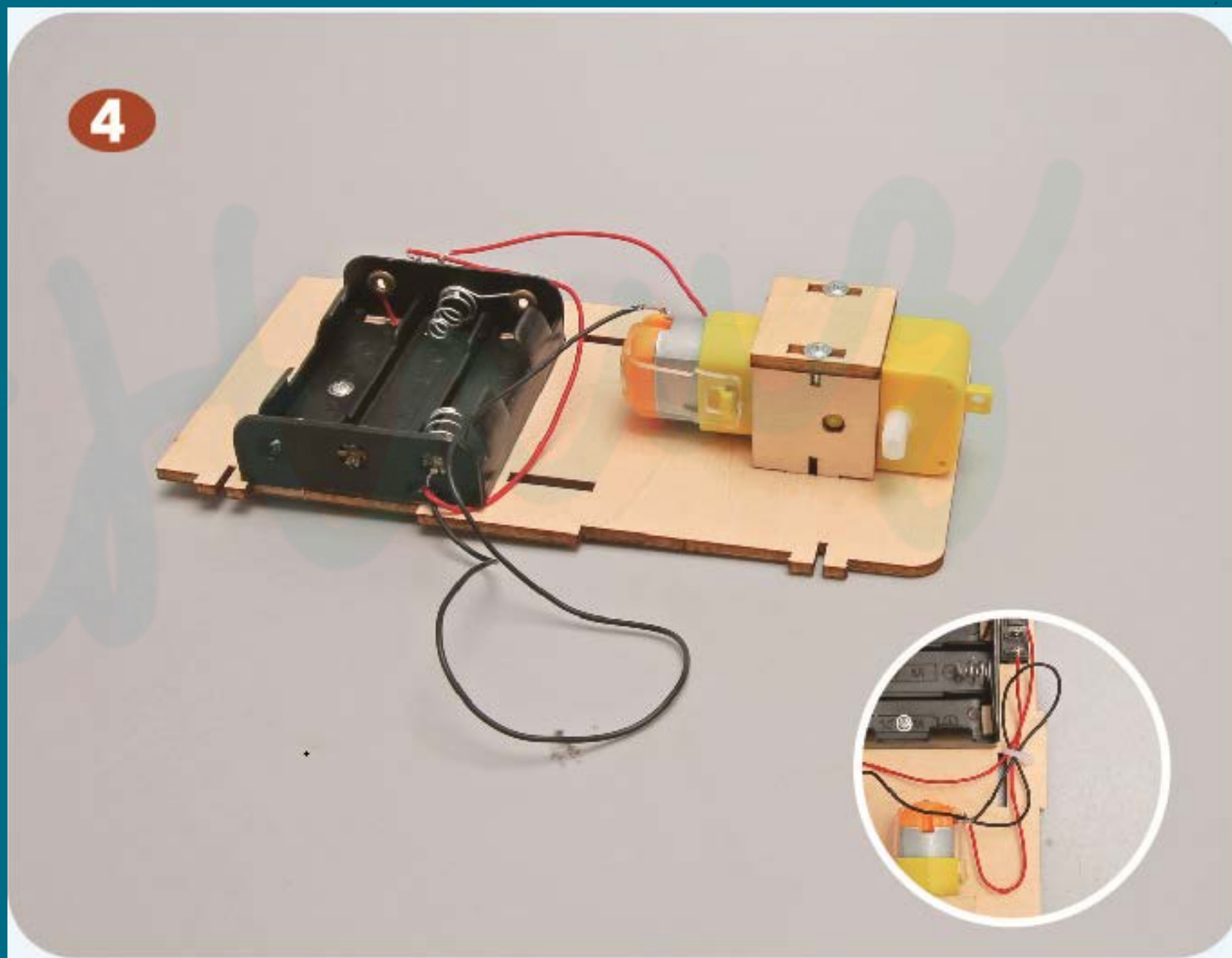


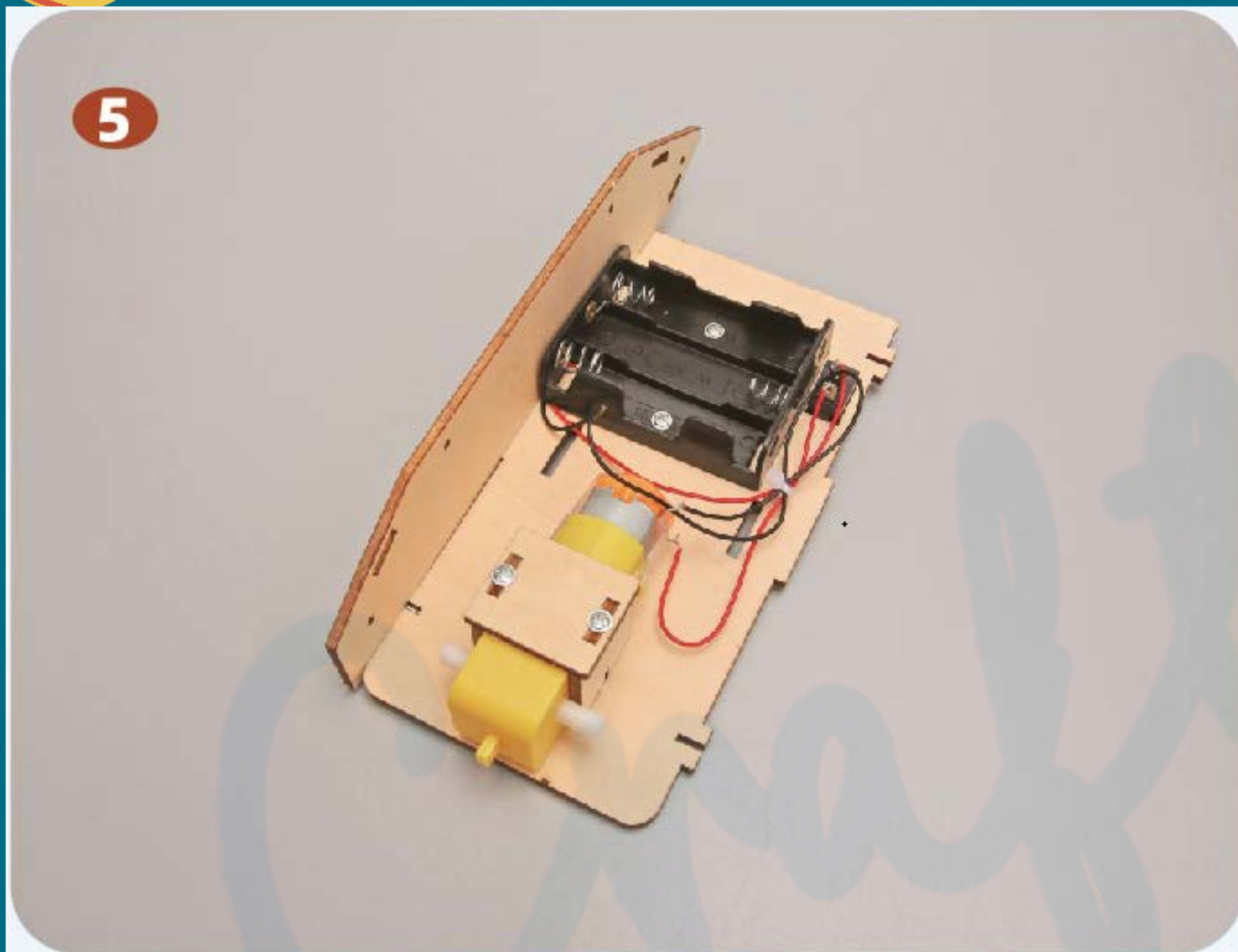


04

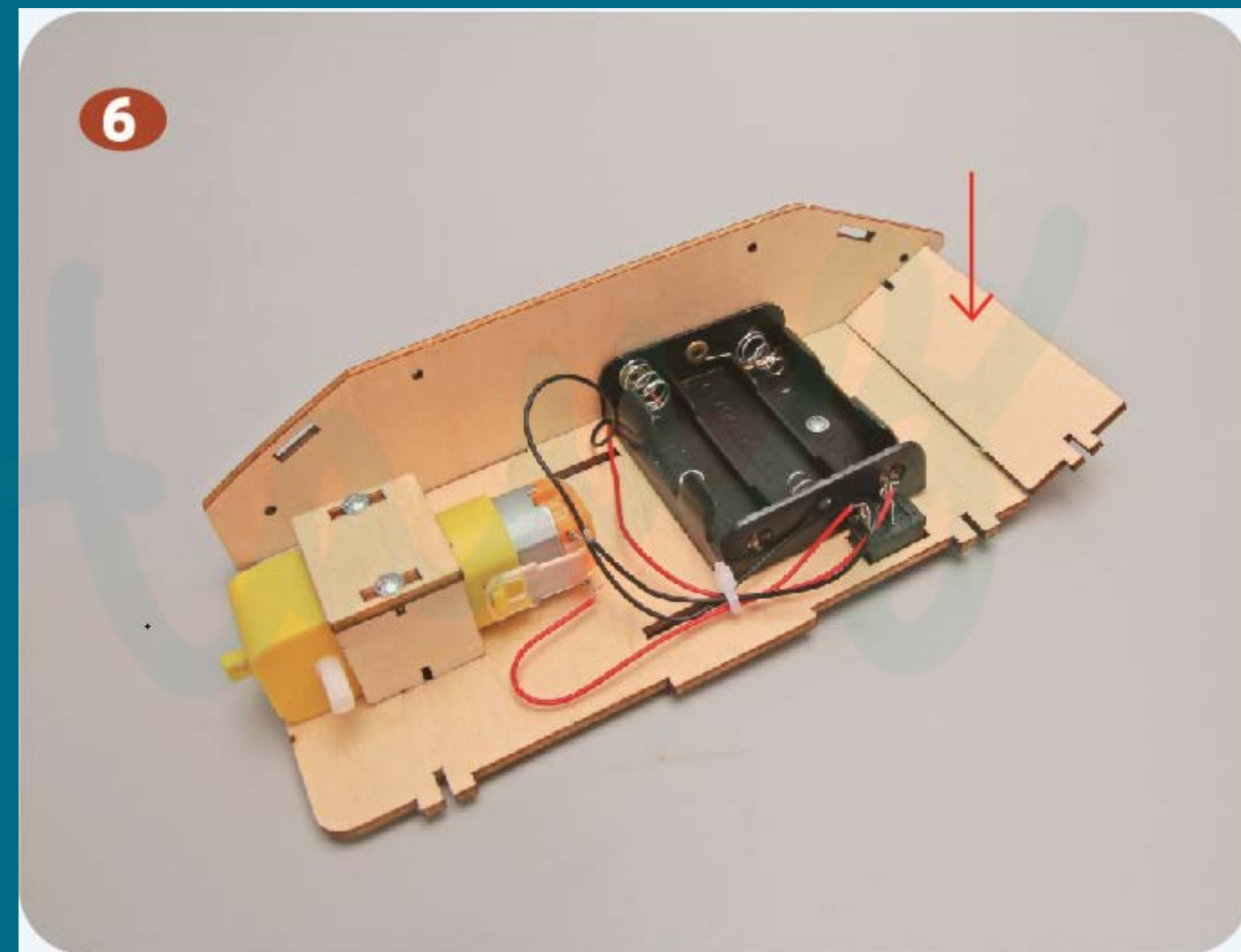


As shown, combine boards #3, #4, and #5 with the motor using 6mm screws. Note: use a cable tie to organize the wires through the motor's round hole

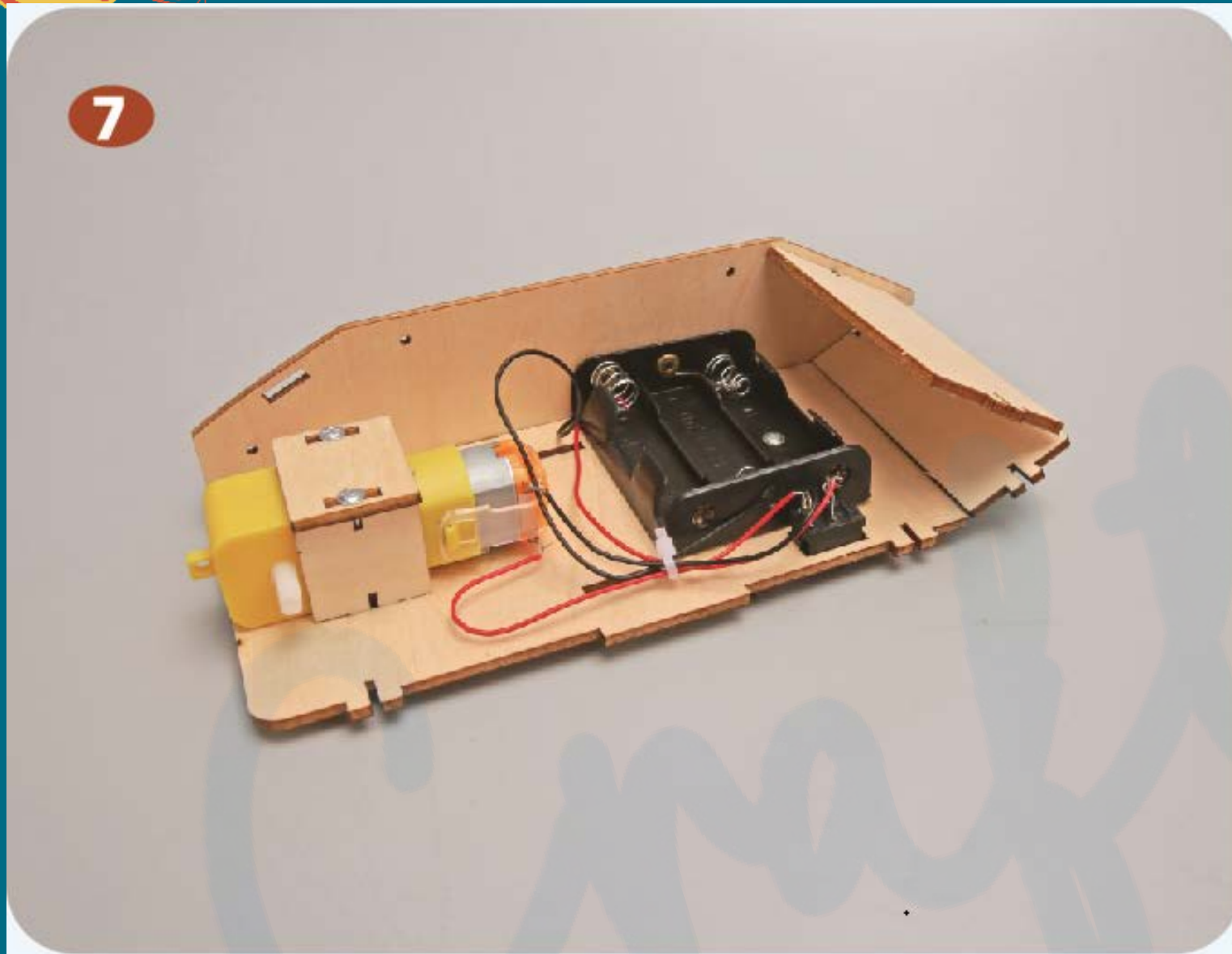




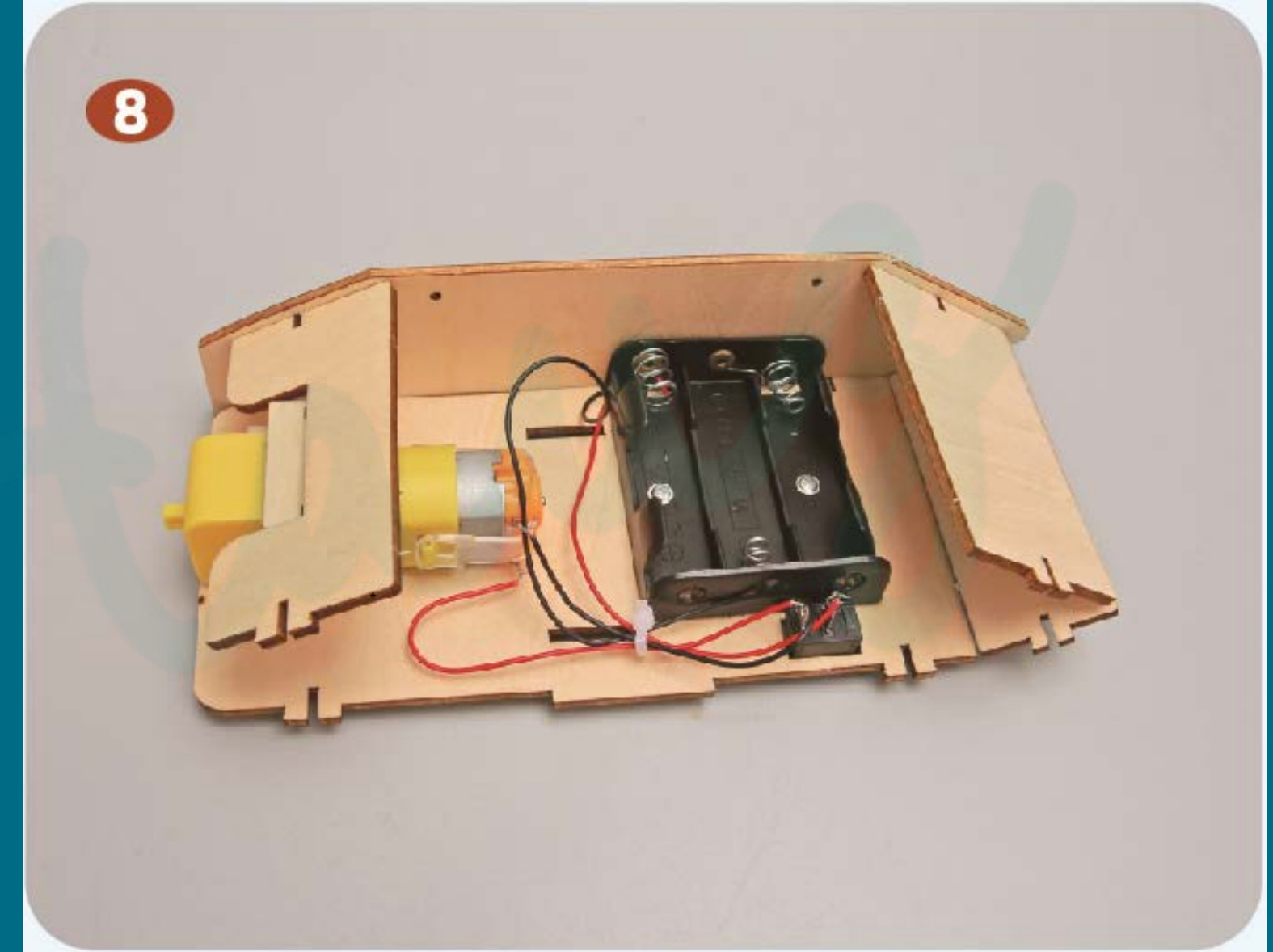
As shown, assemble board #2 to complete one side



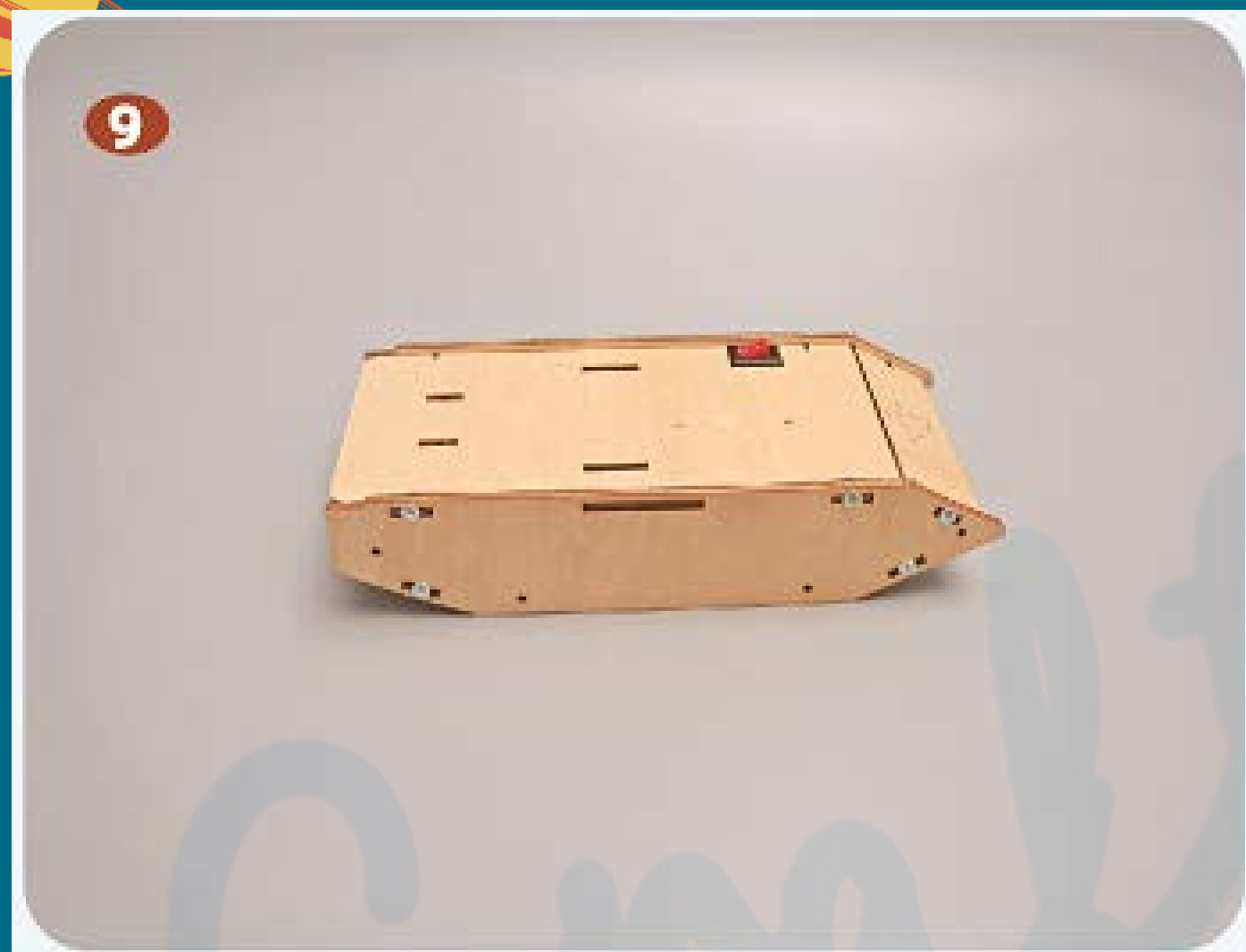
As shown, assemble board #6 with the pattern facing outward



As shown, combine board #7 with step 6



As shown, combine board #8 with step 7



As shown, complete the assembly of another board #2, fix with 6mm screws



As shown, first thread three 11cm shafts through the round holes of both #2 boards, fix with rubber sleeve, then fix two 5cm shafts on the motor



As shown, install wheels on both sides of the vehicle body, with two small wheels in the middle and two large wheels at both ends



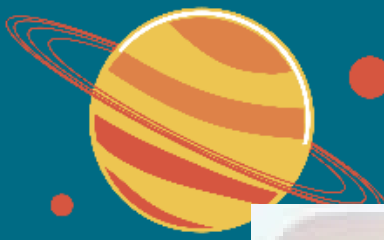
As shown, install the rubber tracks on the wheels (vehicle body complete)



As shown, combine two 9a and two 9b pieces together with the small circle at the top of the barrel, fix



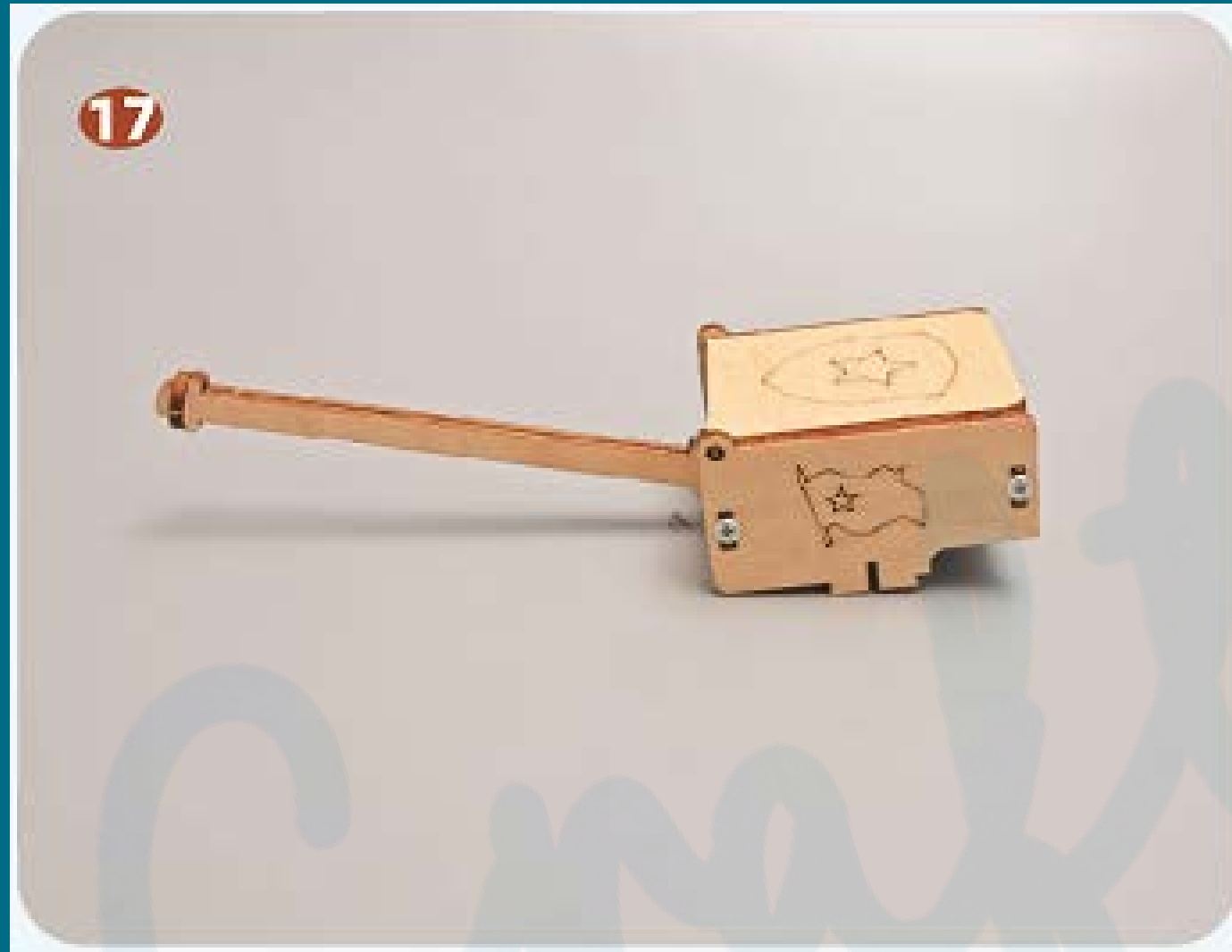
As shown, combine one board #10 and board #12



As shown, combine another board #10, board #11, and step 14



As shown, install board #13 with step 15



As shown, combine step 13 and step 16 together, fix with 6mm screws



Combine the vehicle head and body, fix with 6mm screws - product assembly complete



The Development History of Tanks

Tanks have been in existence for over 100 years, and their birth has had a tremendous impact on the world, especially on warfare.

Tanks remain an important assault weapon for future ground combat.

Many countries are actively utilizing the latest achievements in modern science and technology according to their respective combat doctrines to develop new main battle tanks for use in the early 21st century.

Principle

Electrical energy output drives the motor to rotate.
The motor drives the reduction gears to increase torque,
thereby driving the wheels to rotate and move forward.

