

Step 1

Remove all components from the box:

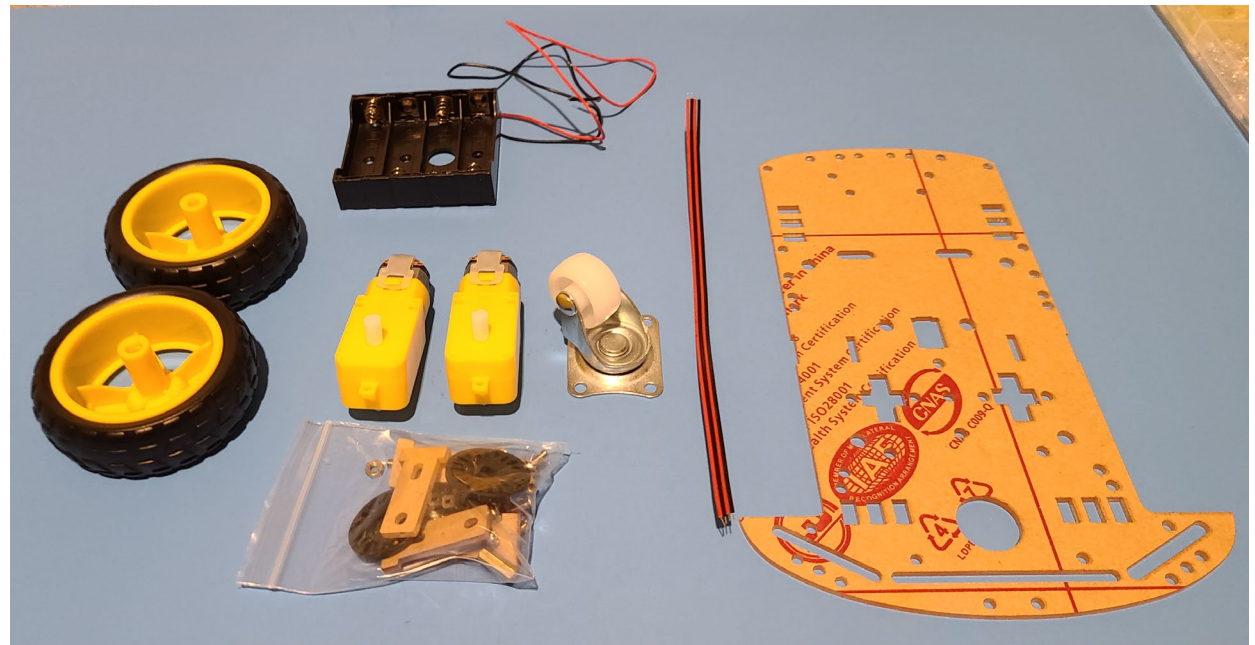
- Chassis
- Wheels
- Small parts bag
- Instructions & Parts List



Step 2

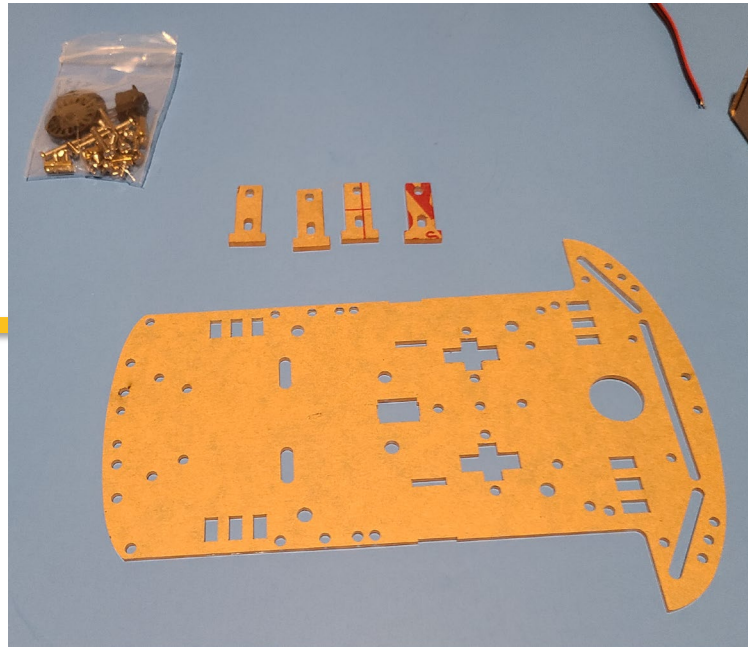
Remove the following from the small parts bag:

- (2) motors
- (1) hammer caster
- (1) battery case



Step 3

- Remove the (4) fasteners from the small parts bag
- Remove the backing paper from the chassis and all fasteners



Step 5

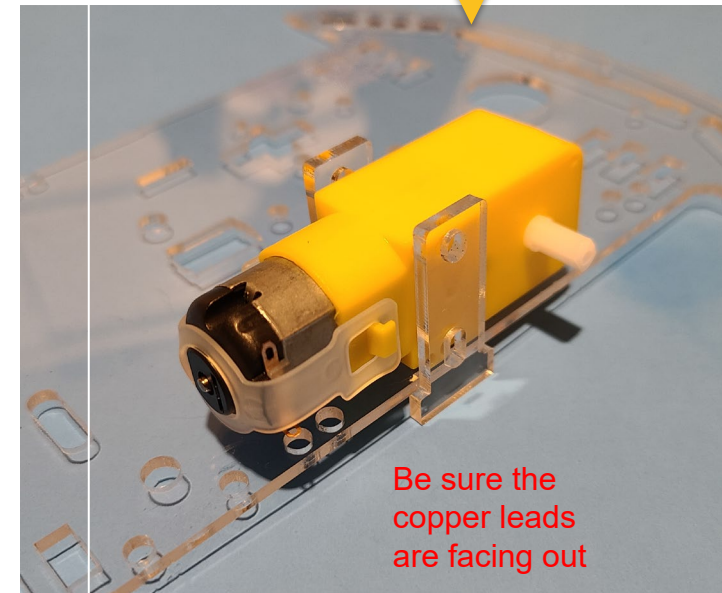
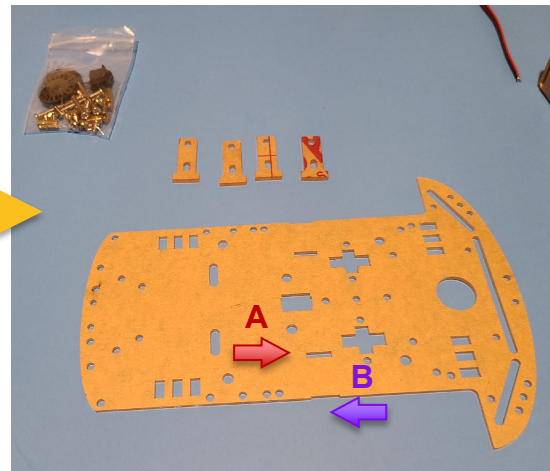
- Insert one fastener into slot A
- Press one fastener into groove B
- Place motor on top of the chassis between the two fasteners with axel pointing outward; align the holes on the motor and fasteners

Step 4

Remove the following from the small parts bag:

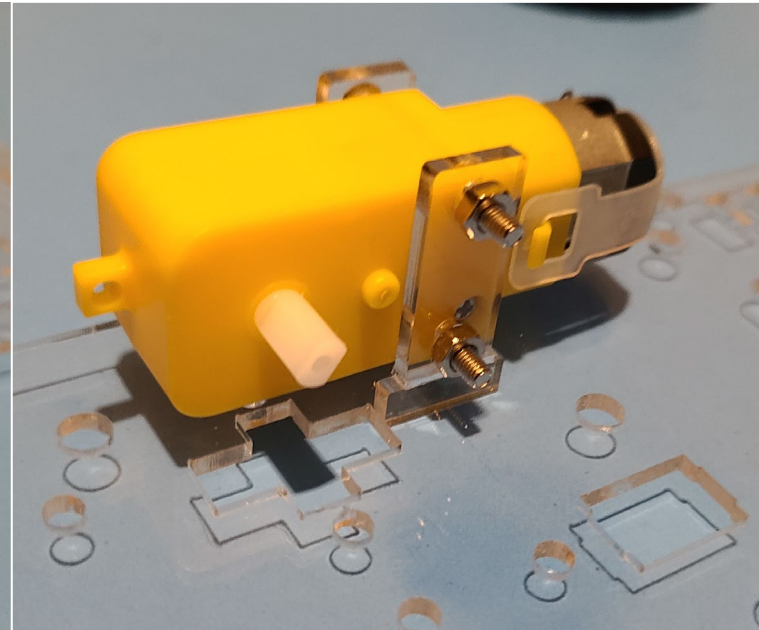
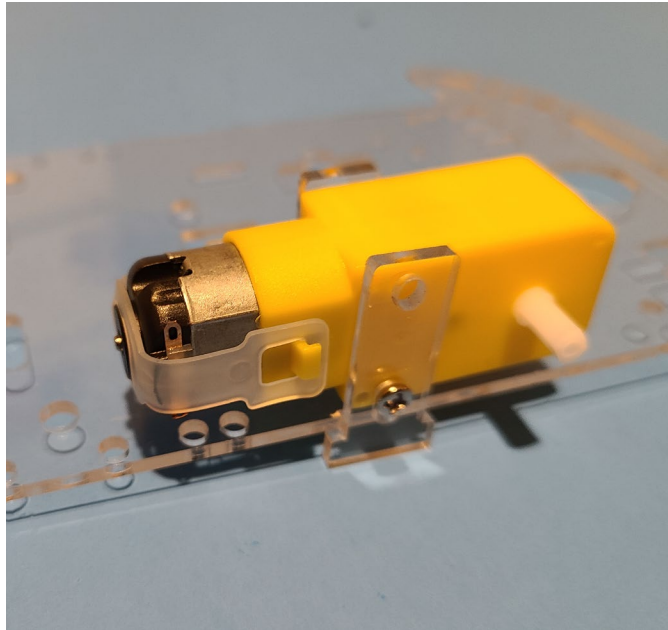
- (1) motor
- (2) long screws
- (2) nuts

And arrange next to chassis along with (2) fasteners



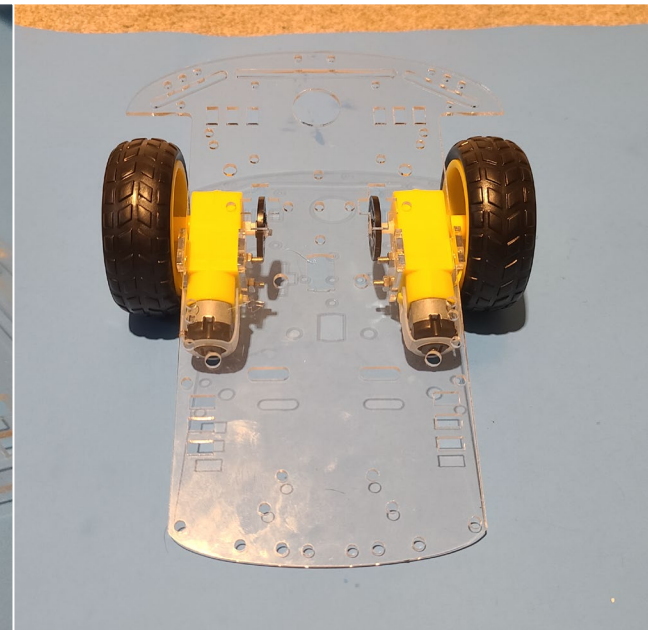
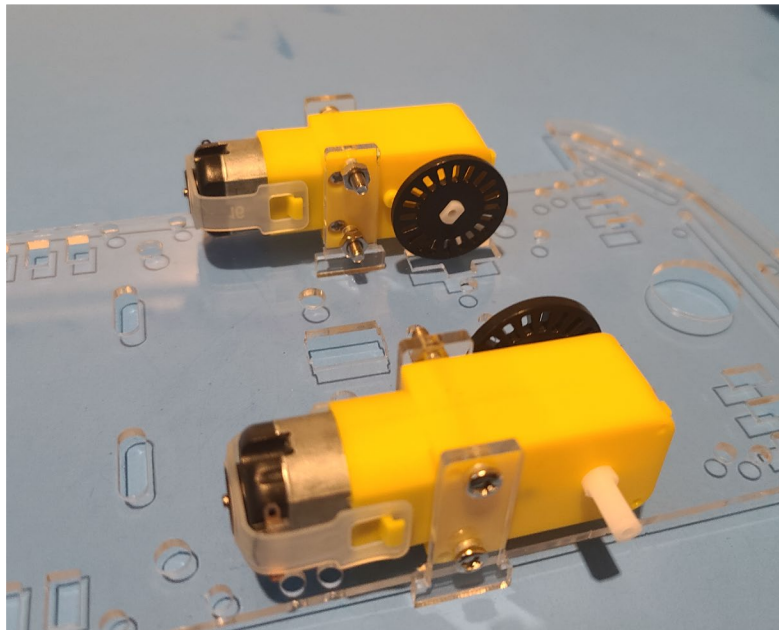
Step 6

- Insert a screw through the bottom holes of the fastener and motor; secure with nut
- Repeat with the top hole
- Repeat steps 4-6 for opposite motor



Step 7

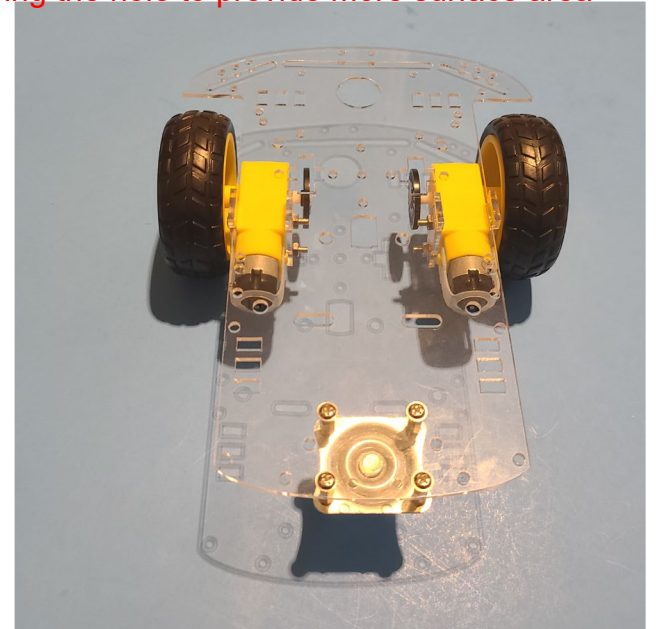
- Affix the black code wheel to the inside axel of each motor
- Affix the wheels to the outside axel of each motor



Step 8

- Locate the caster wheel and attach the 4 spacers with 4 short screws
- Affix the caster wheel to the underside of the chassis with 4 short screws

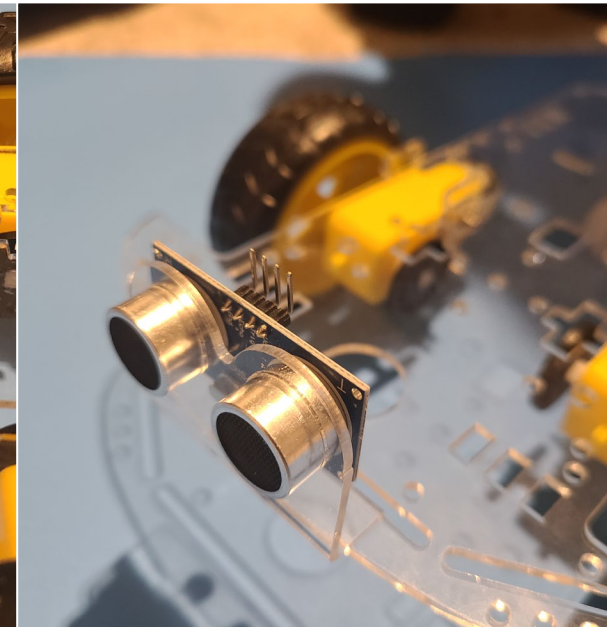
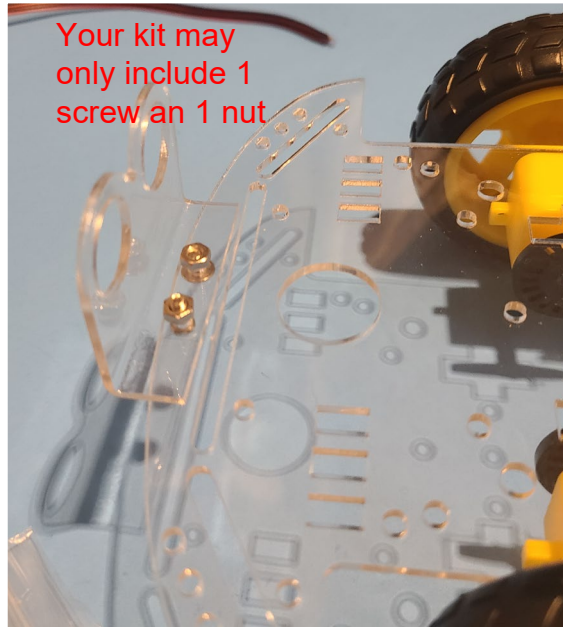
Note: If caster wheel screws are too small, cover the holes with electrical tape, and PUSH the screw through the tape covering the hole to provide more surface area for the screw to mount to.

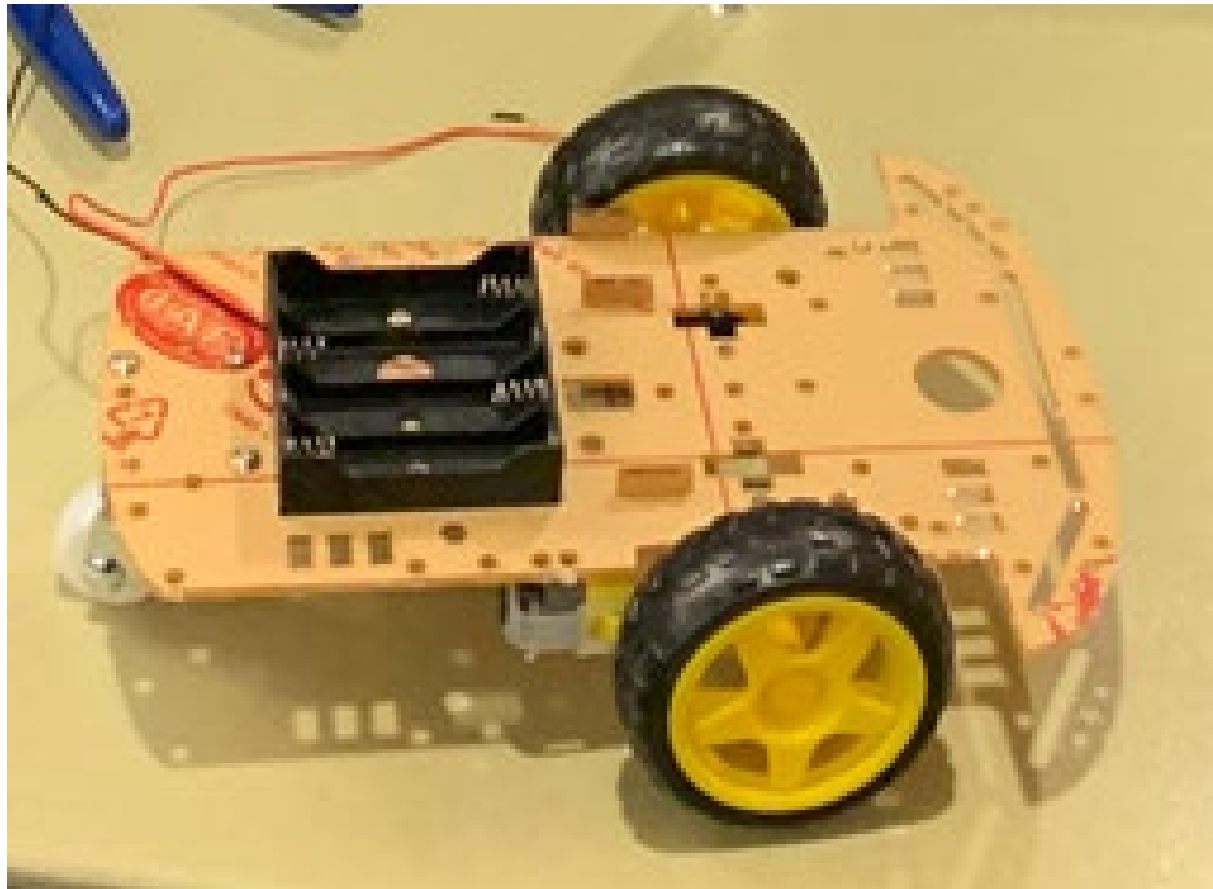


Step 9

- Locate the ultrasonic sensor bracket, 2 short screws, and 2 nuts
- Affix the sensor bracket to the front of the chassis, inserting the screws from the bottom. Secure with nuts
- Insert sensor and attach to chassis

Your kit may only include 1 screw and 1 nut





Attach the battery pack with wires facing towards castor wheel.

Use a screw or double-sided tape.

See next module for more details.

Do not attach the breadboard yet.