NANOBOT ASSEMBLY TUTORIAL

Assemble steps：

1.Assemble the load-bearing wheel (first install the M4*50 long screw into the load-bearing wheel)

Lock the other side with M4 nut
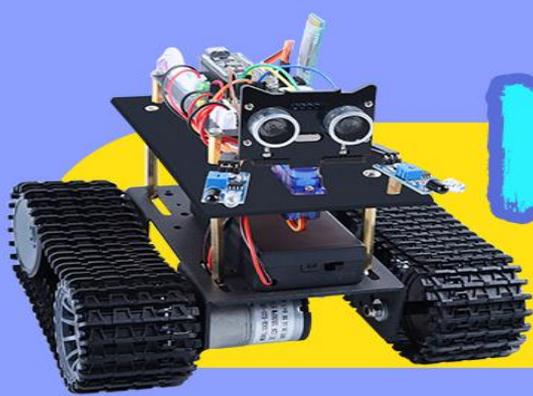
2.Put the gasket on the bracket and put the bearing wheel into the hole of the bracket

Leave some space between this screw and the wheel, not too tight, or the wheel won't turn

ZHIYI
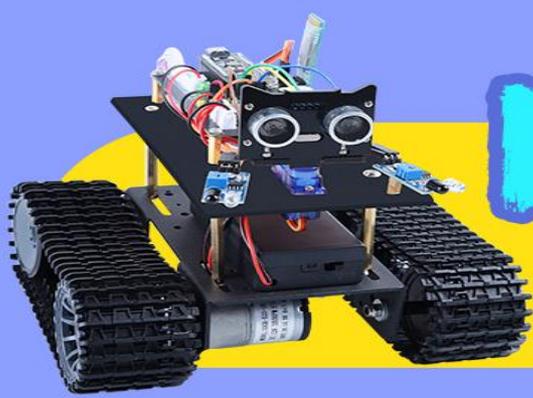
NANOBOT ASSEMBLY TUTORIAL

The other end is also fitted with a gasket, which is also locked with the M4 nut. Be careful not to tighten the bearing wheel too tightly.

ZHIYI 智义
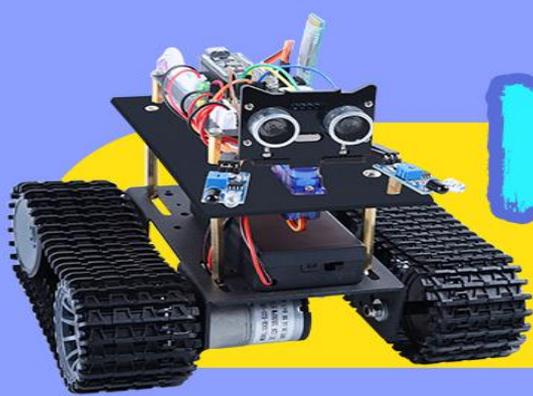
3.Put the motor into the bracket and tighten it with 3 M3*6 flat head screws.
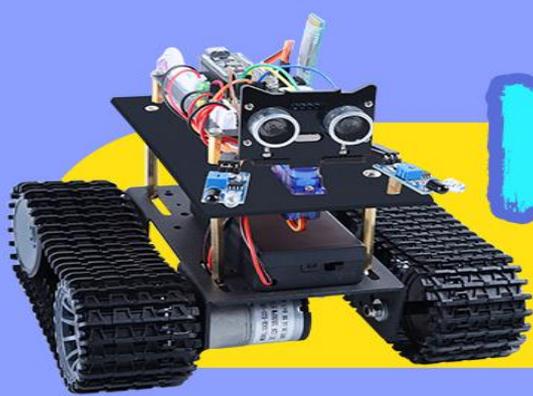
4.Install the driving wheel: the coupling is set into the driving wheel, the other end of the M3*8 hexagonal socket screw is set into the driving wheel with an inner hexagonal wrench, and the coupling is locked.
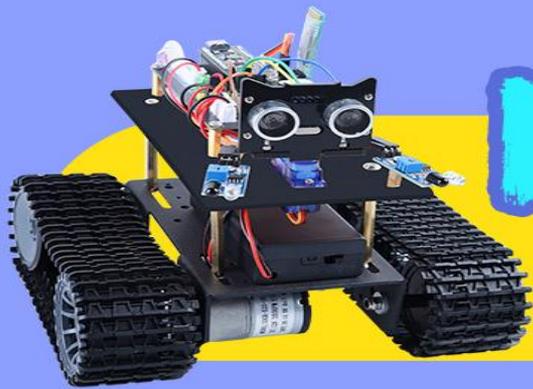
5.Attach drive wheel to motor and tighten with jacking wire.

Please note: the hole in the coupling must be aligned with the flat end of the motor shaft, so that the coupling is stuck to the position indicated by the arrow.

ZHIYI
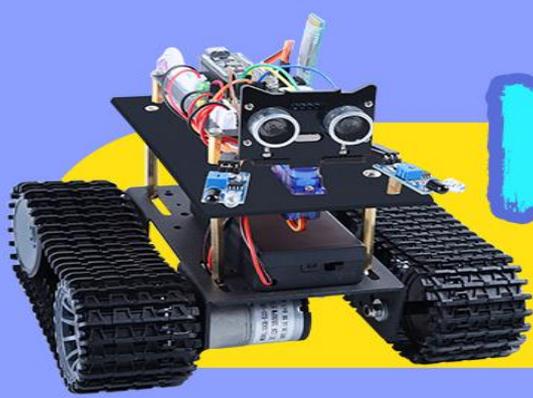
6.First dismantle the crawler and remove the extra parts
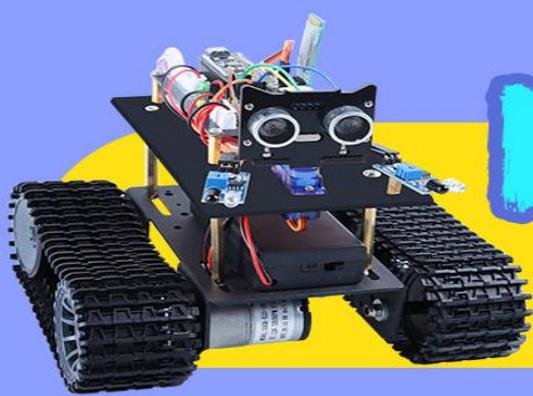
NANOBOT ASSEMBLY TUTORIAL

7.Measure the required track length
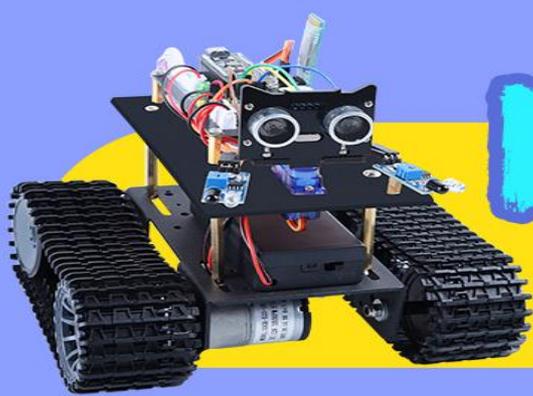
8.Insert the track needle into the track with the aid of a tool
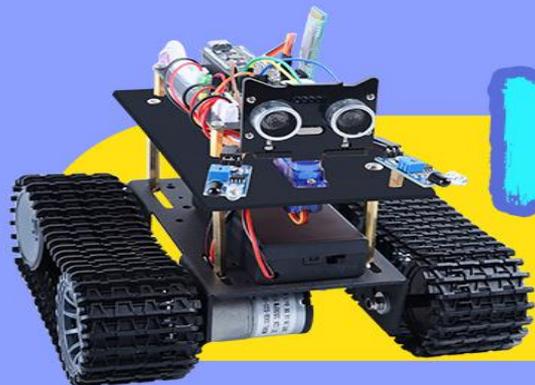
NANOBOT ASSEMBLY TUTORIAL

Successful assembly
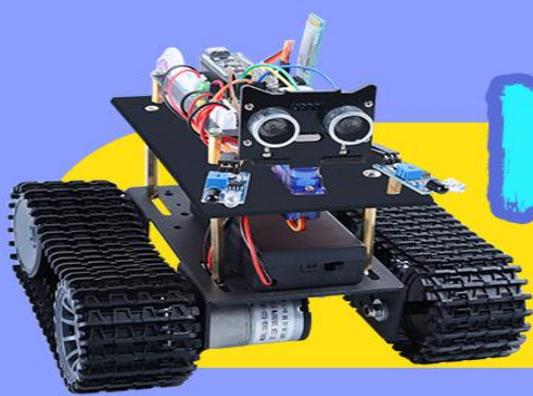
9. Fix 4 50CM copper columns on the chassis with screws
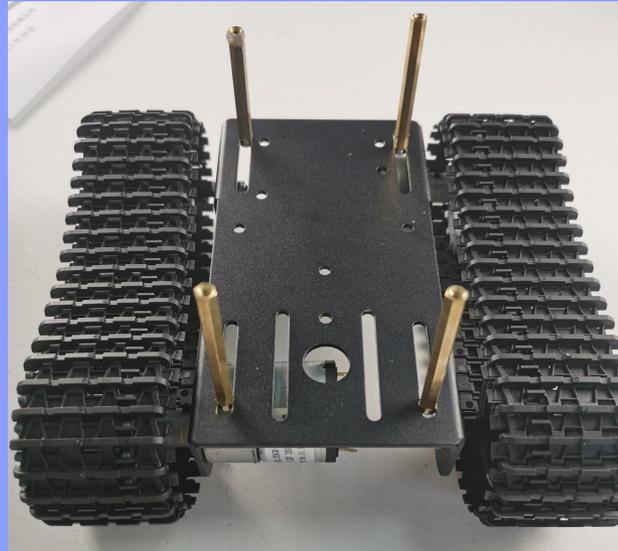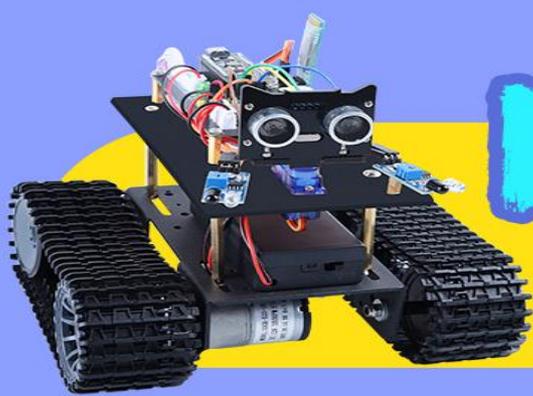
10. Fix the battery box on the chassis with M3 nut and M3*8 screws
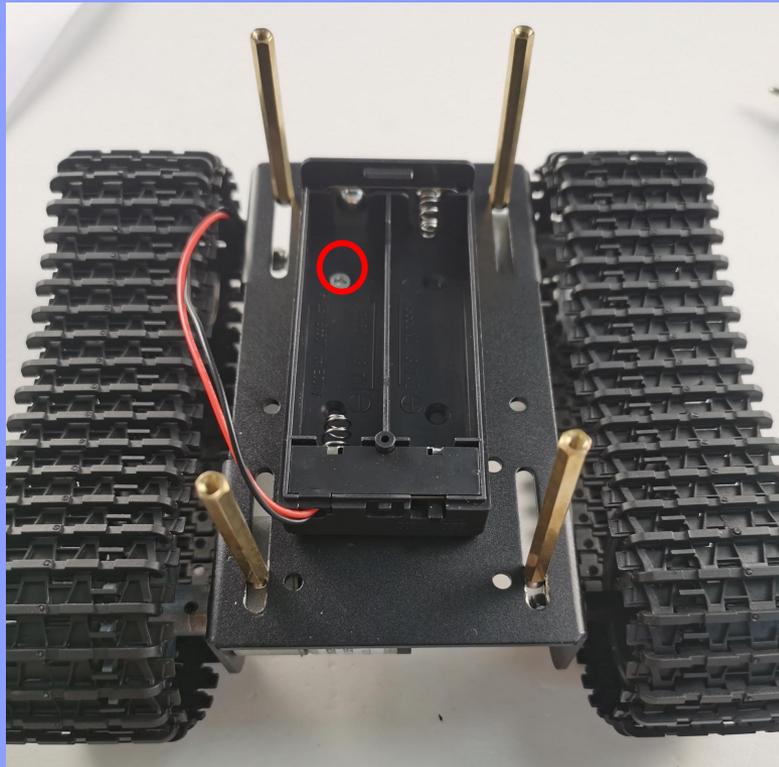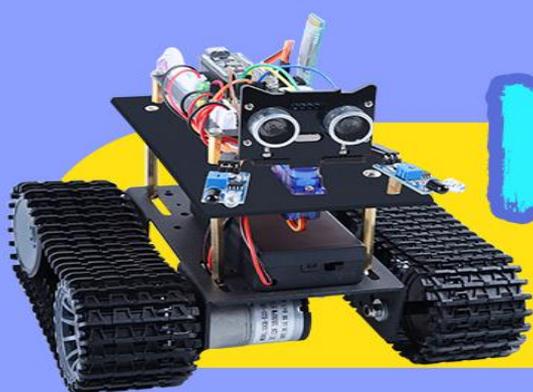
11. Fasten the acrylic chassis with 4 screws
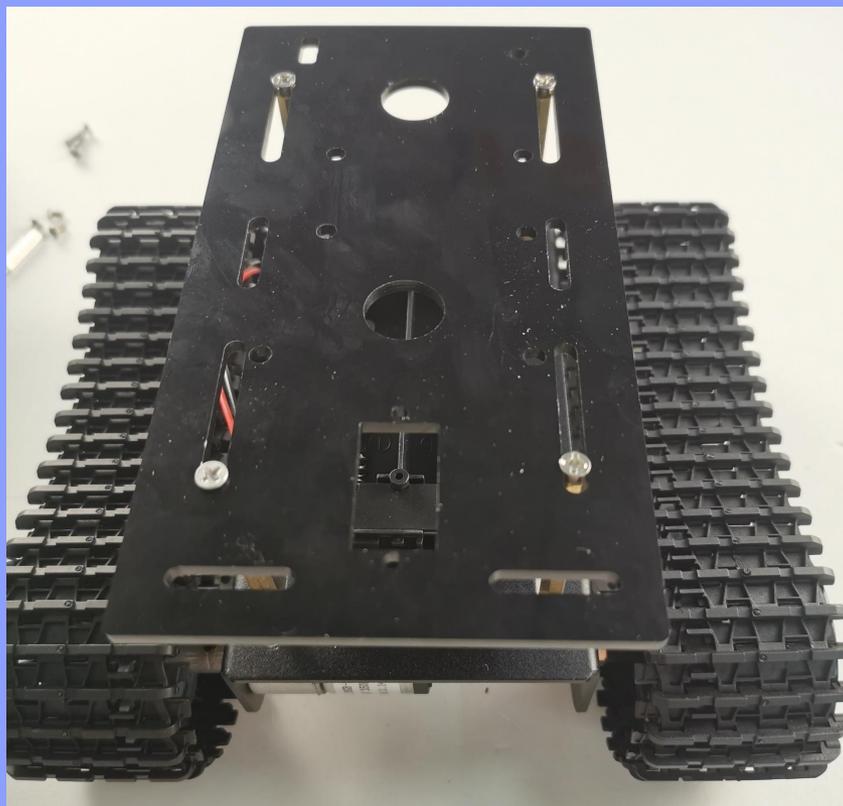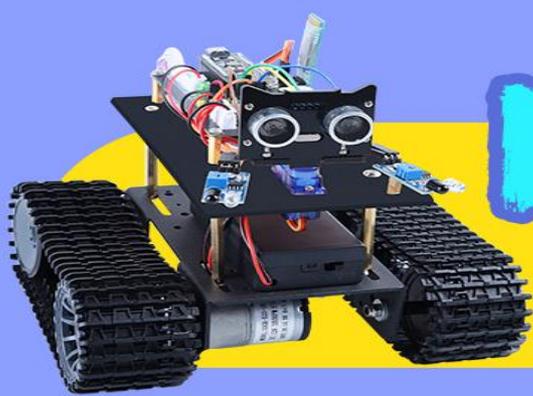
12. Fix the 15cm copper column to the acrylic plate with screws
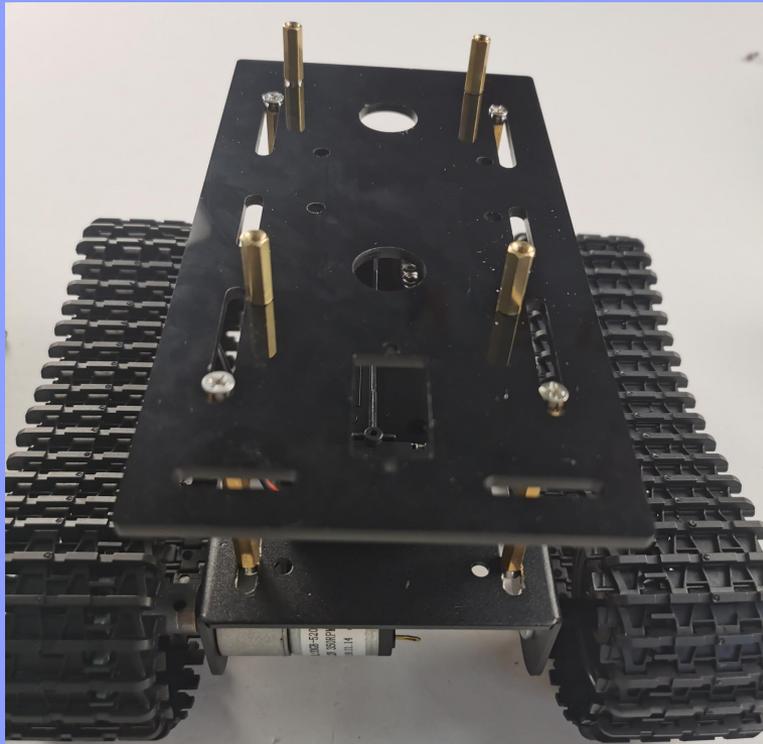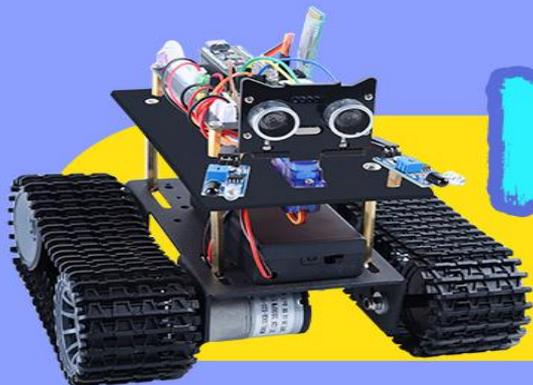
13. Plug the RF-Nano into the extension board, and then fix the extension board with four screws.

ZHIYI
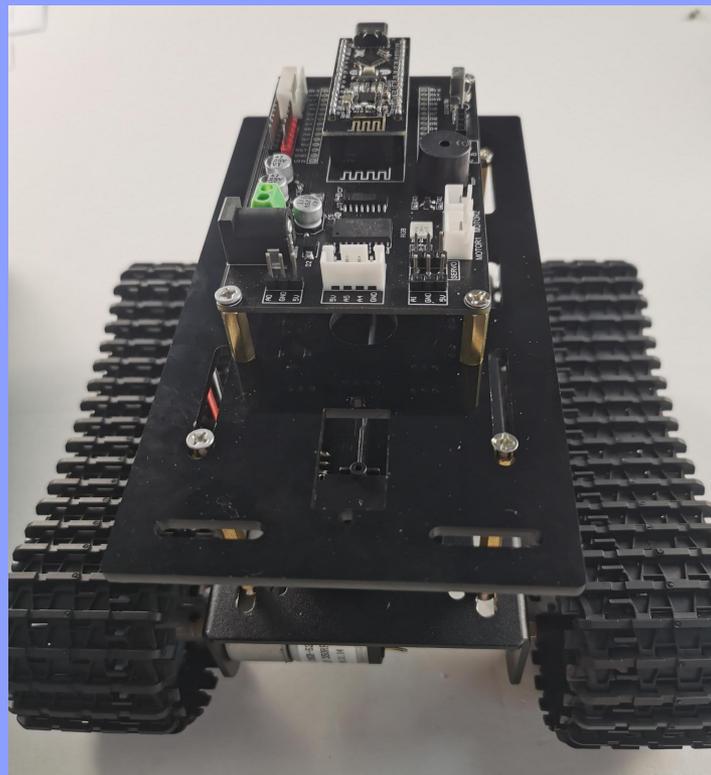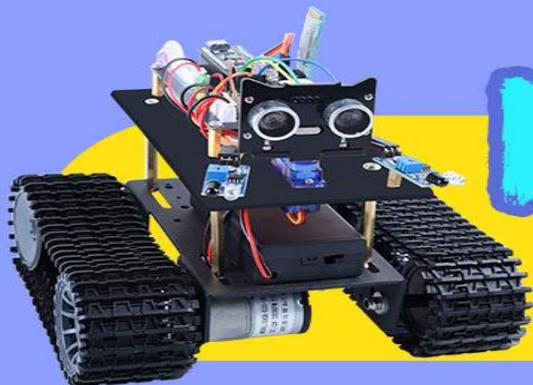
14. Fix the SG90 steering gear on the acrylic plate with M2 screw and nut, and connect the wire to the expansion plate
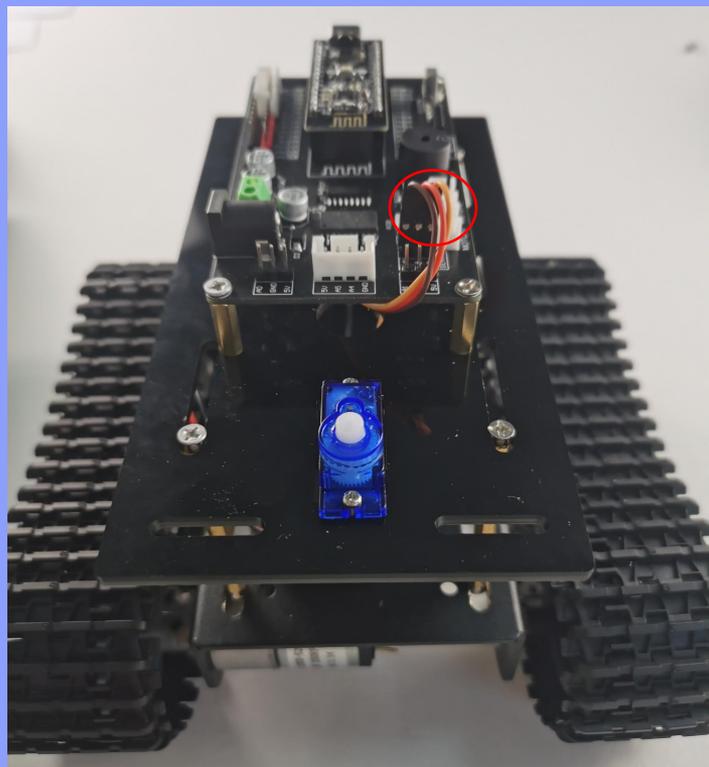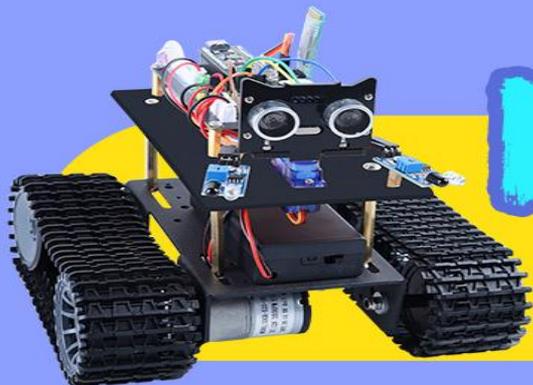
15. Assemble ultrasonic wave

① prepare material
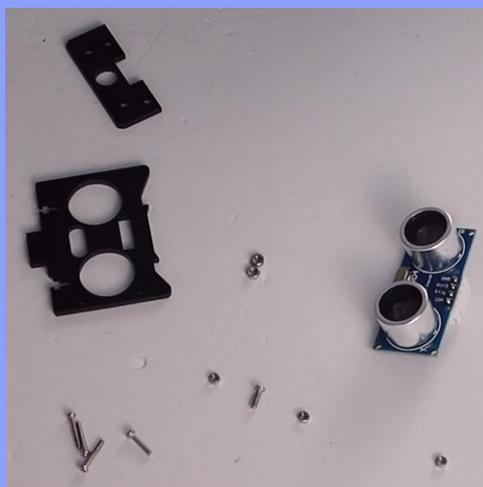
②Fix the ultrasonic wave to the bracket by M1.6 screws and nuts
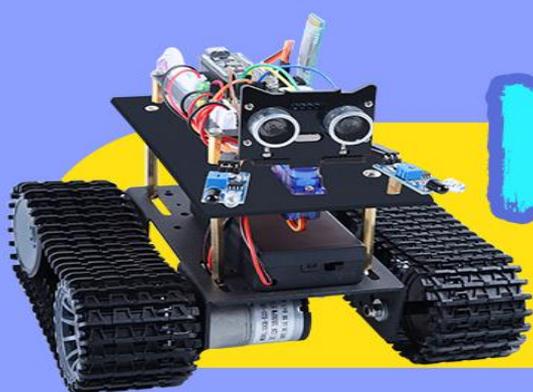
③ Secure the bracket with the M2 screw
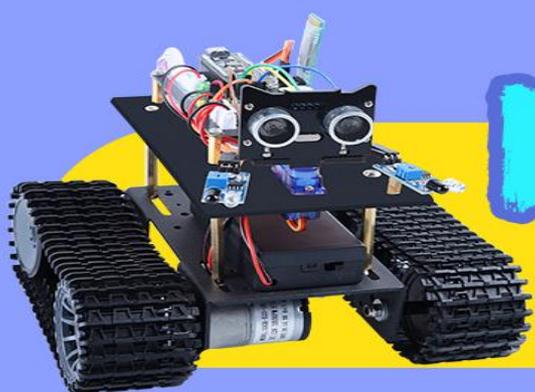
④ Fix the bracket and the white material with the M3 self-tapping screw
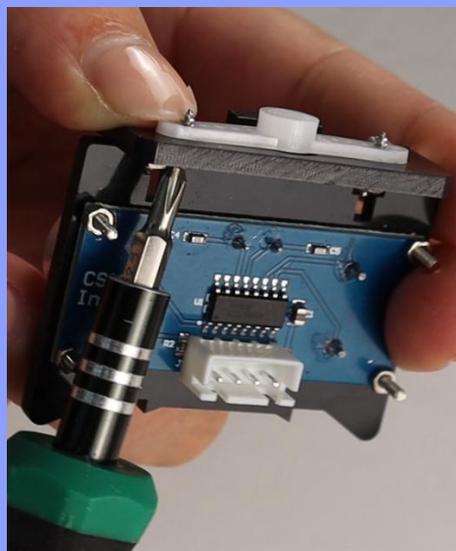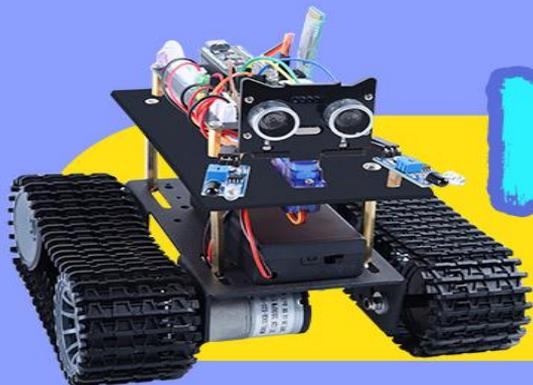
16. Fix the ultrasonic wave to the steering gear.
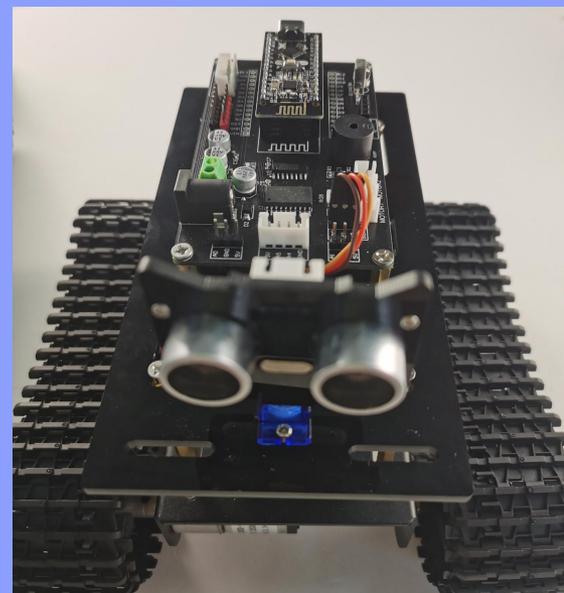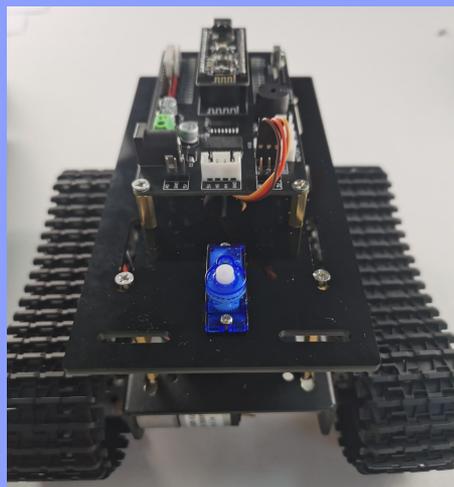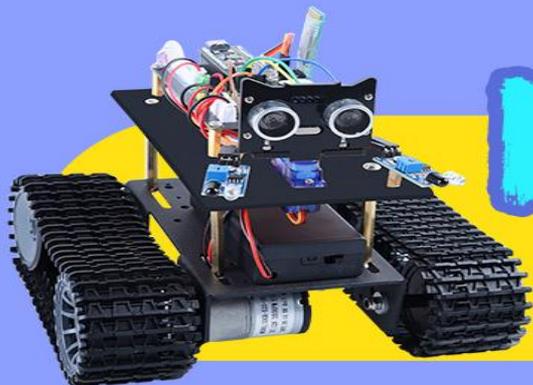
17. Connect the ultrasonic wave to the expansion plate with 4PIN terminal wire
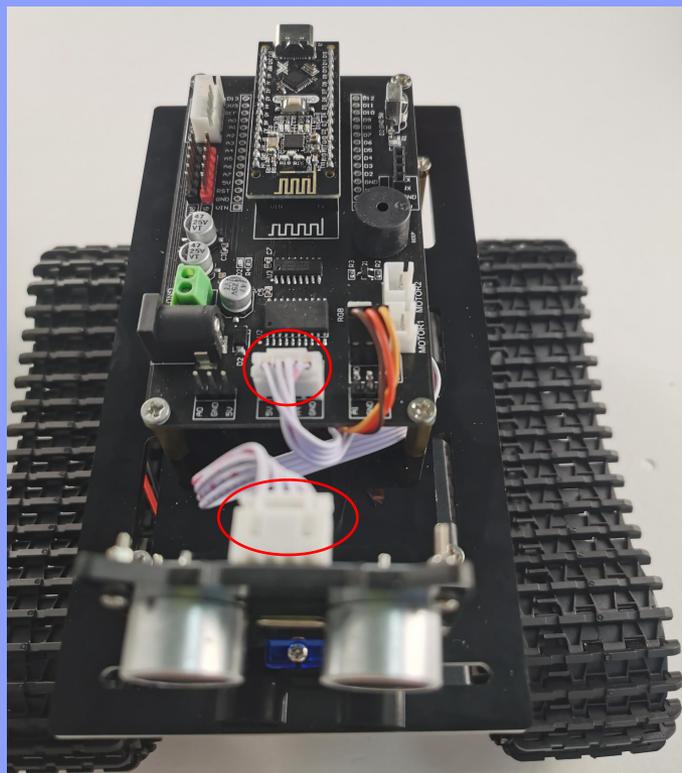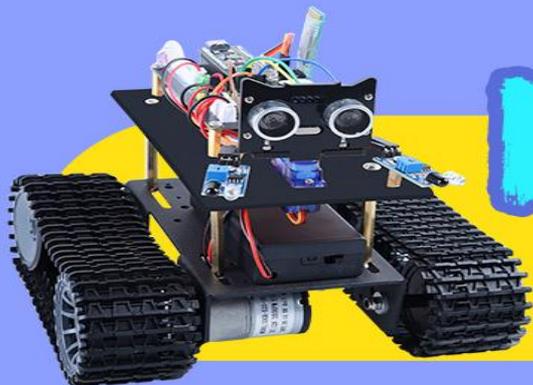
18. Plug the HC-06 Bluetooth module into the expansion board
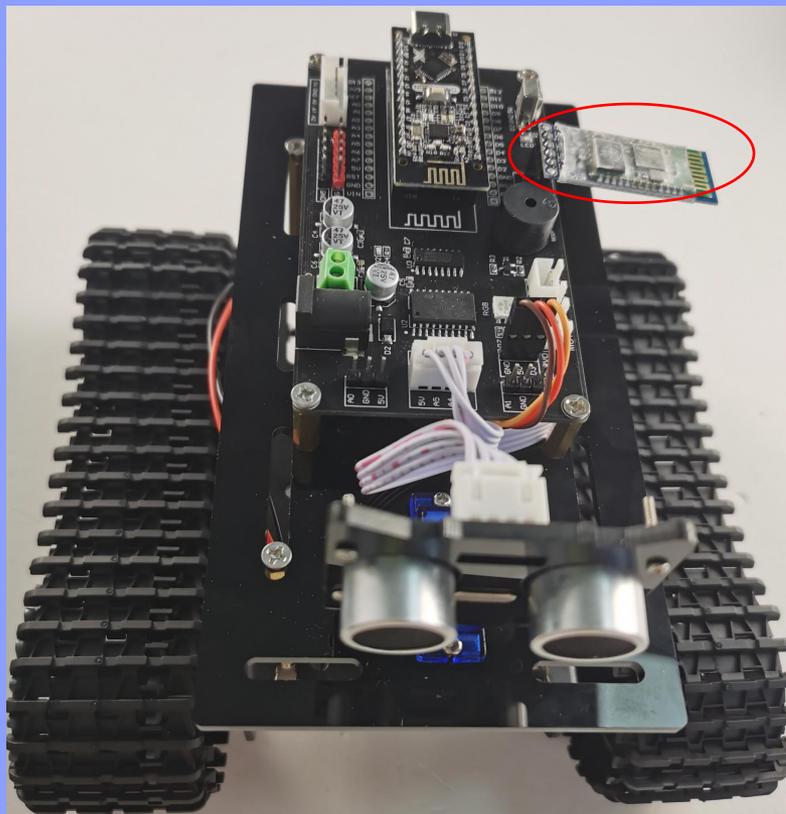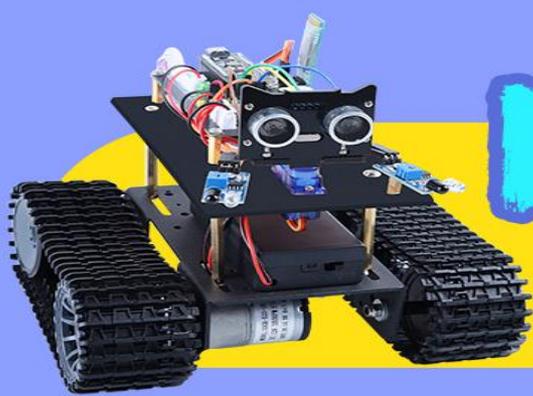
19. Fix the two infrared obstacle avoidance modules to the extension board with M3 screws, and connect them to the board with wires. Finally, plug the wires of the two motors into the fixed interface.