

Qoopers series course

Section 10
《Scorpoid A》

Curriculum objectives

Knowledge and skill

- 1.Understand ultrasonic sensor, know its function;
- 2.Using metal component, finish the structure building of Scorpiod;

Process and methods

- 1.Through practical operation, exercise students' practice ability;

Emotional attitude and values

- 1.Train students' contribution spirit toward team by curriculum introduction.

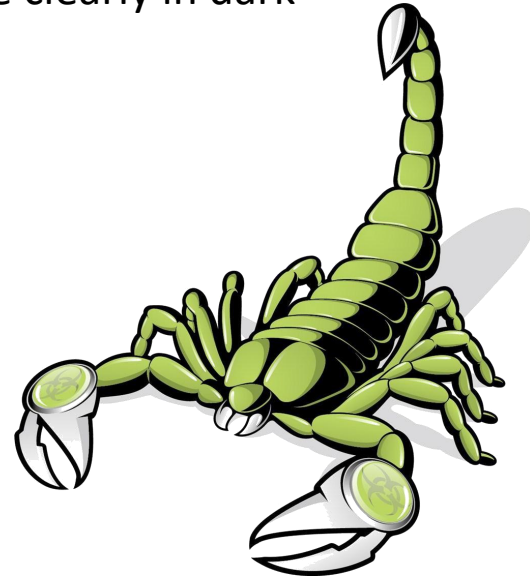
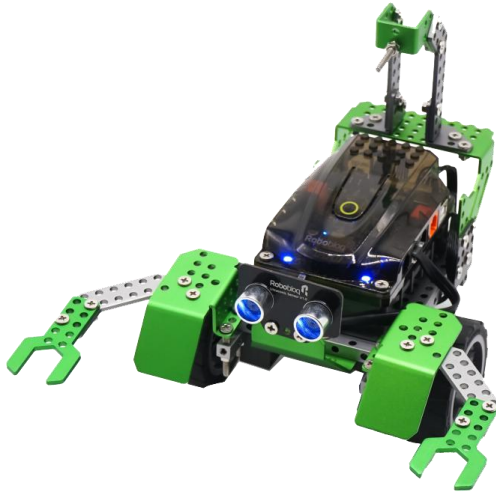
Curriculum introduction

Coopers will return to base for resting in the evening, because there are many dangers at night in Metal Block planet, such as meteorite falling, signal disturbance etc. Patrol and guard are important safeguard for team safety.



Curriculum introduction

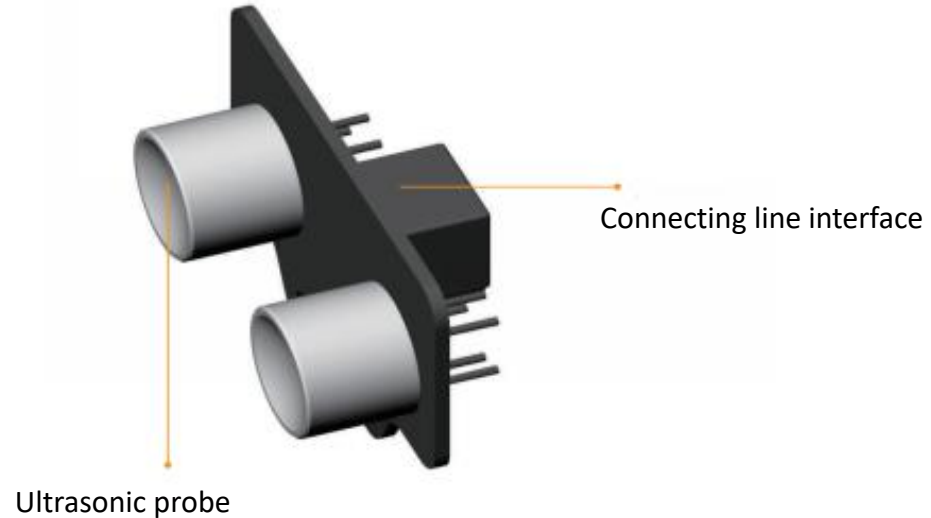
Scorpiod is good at patrol and guard in Qoopers, cool scorpion appearance provide variety guard equipment for it, mostly important, Scorpiod learned scorpion's character that rest in daytime and travel at night, it can see obstacle clearly in dark because it has ultrasonic sensor device.



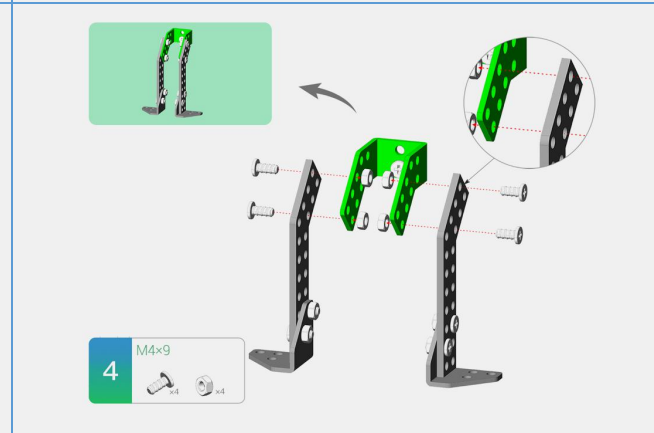
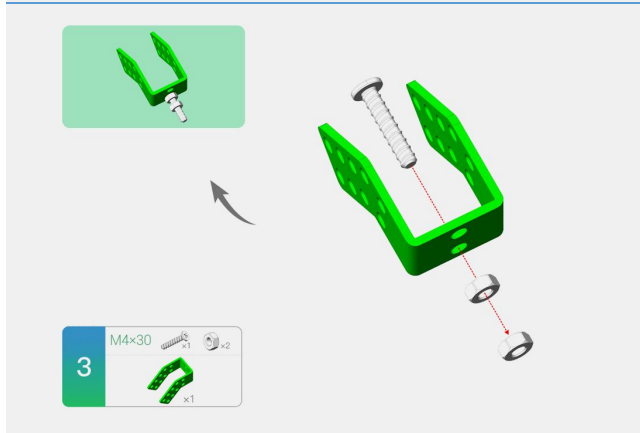
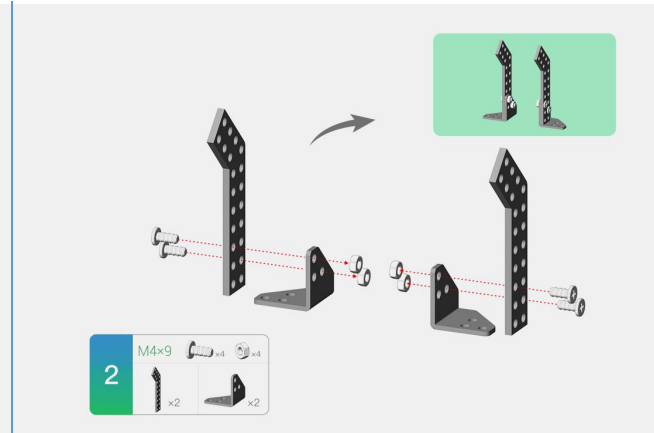
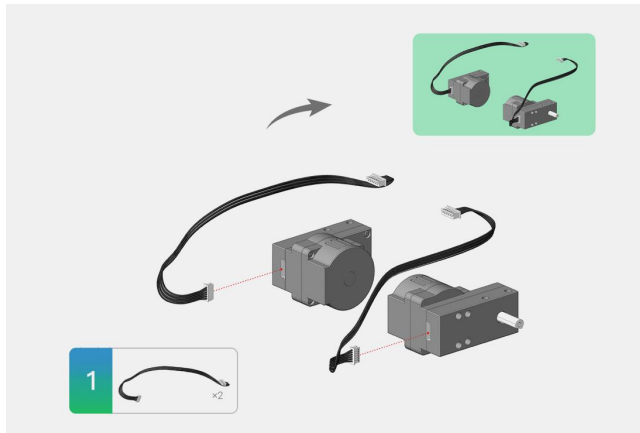
Curriculum introduction

Ultrasonic sensor:

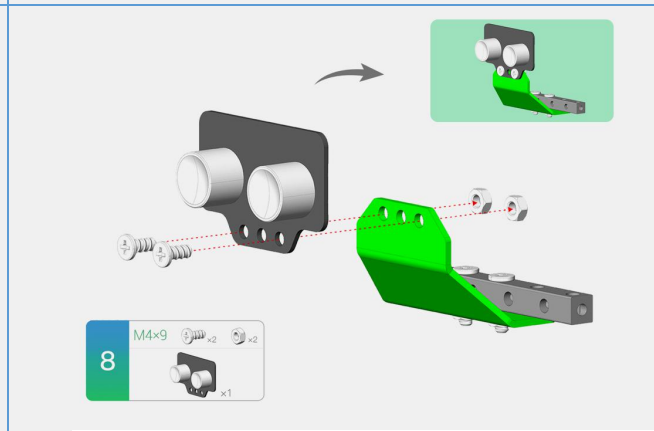
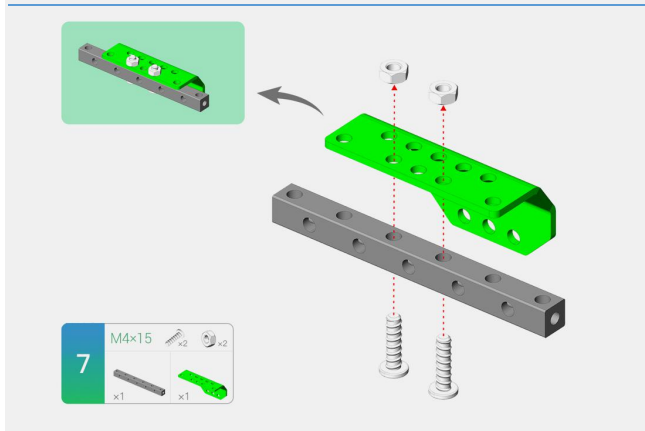
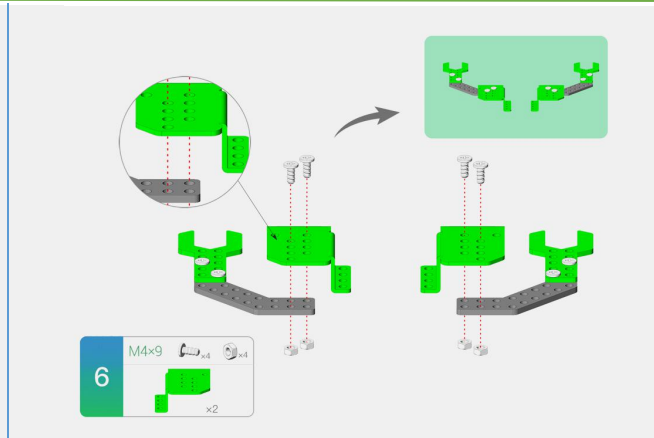
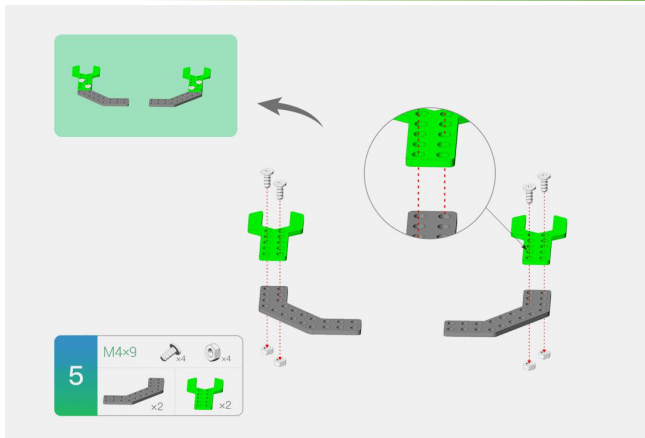
Ultrasonic module is a module that used to detect the distance between front obstacle and probe, it can make robot to apperceive surrounding environment by sonar like bat.



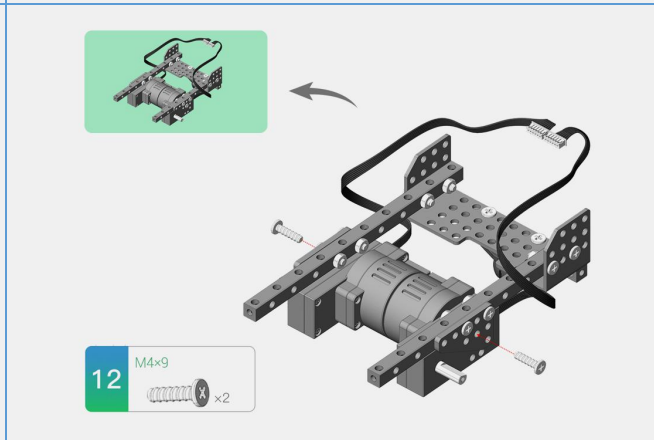
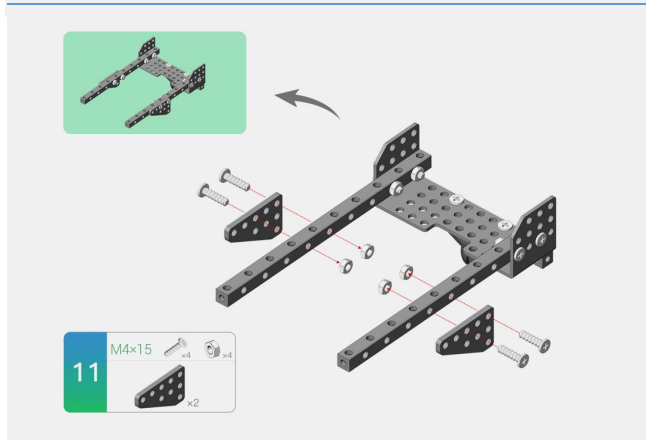
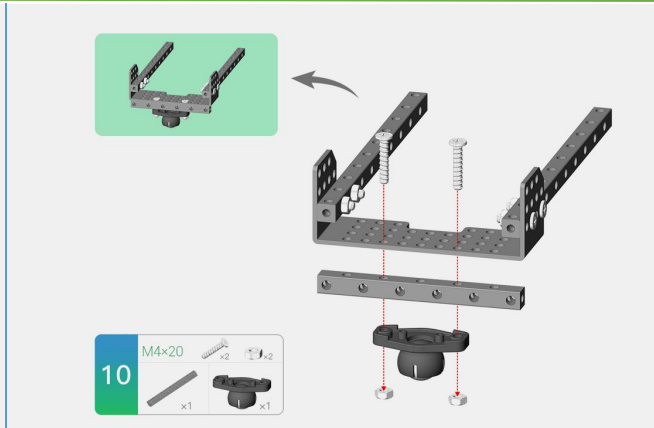
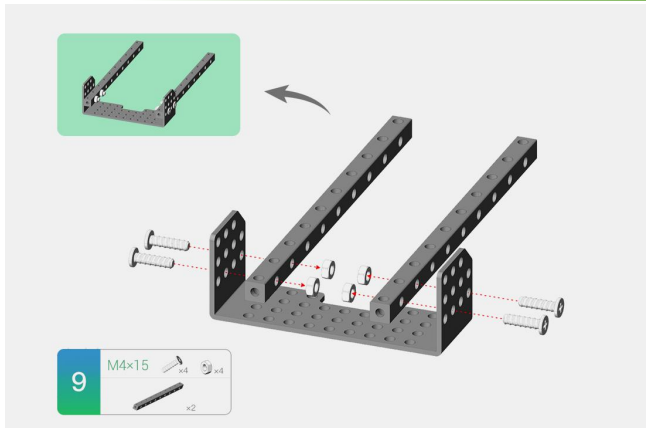
Structure building



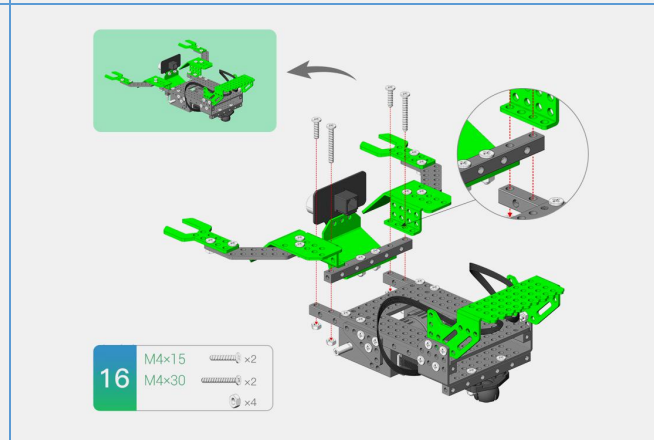
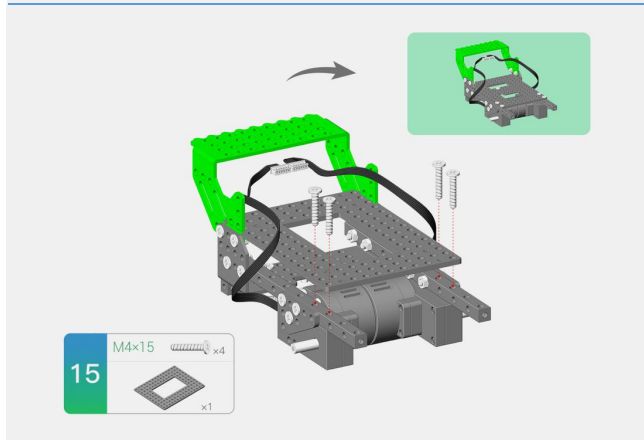
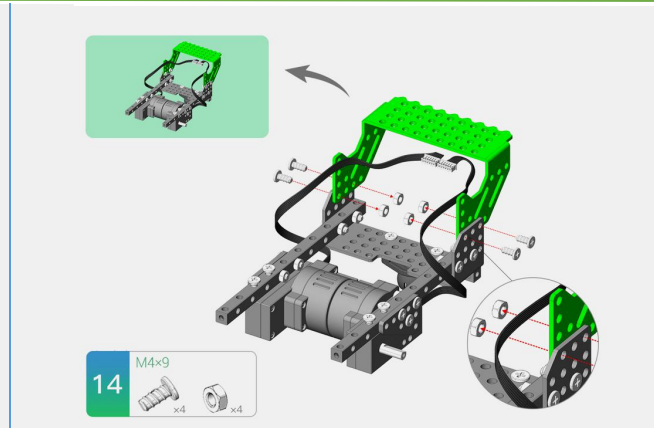
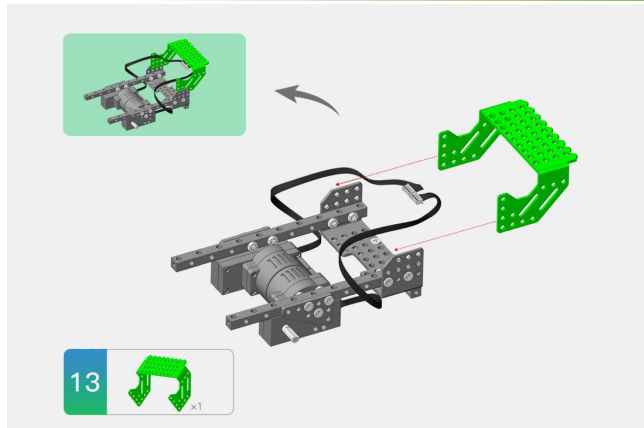
Structure building



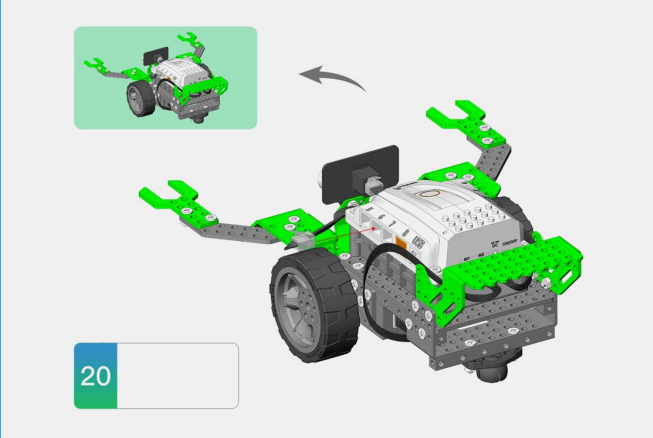
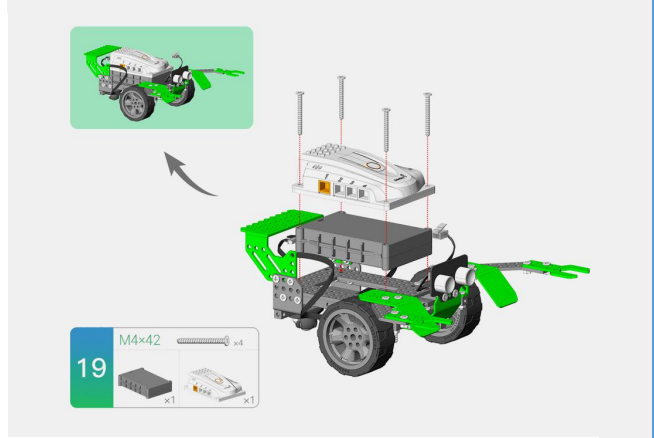
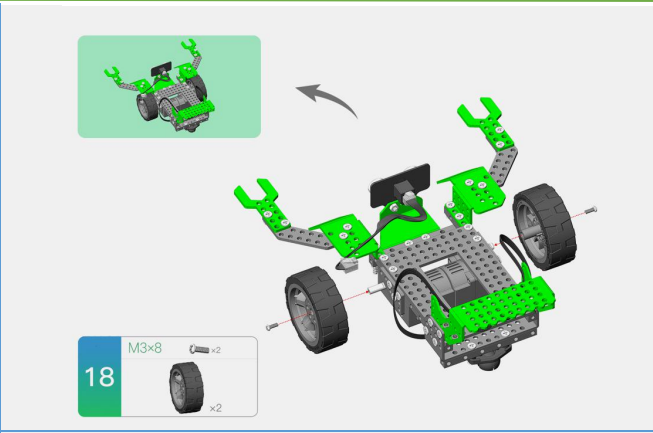
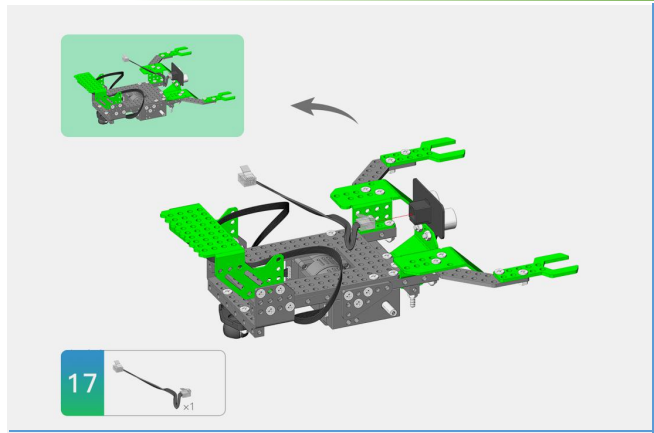
Structure building



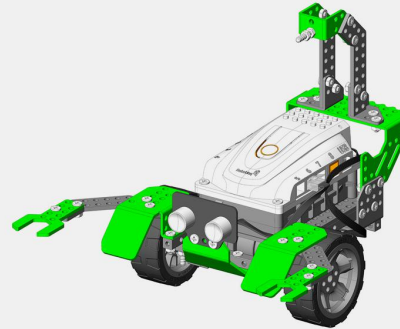
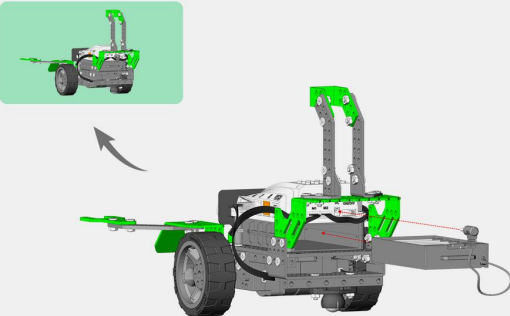
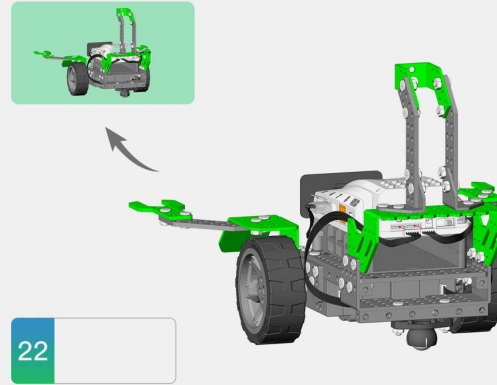
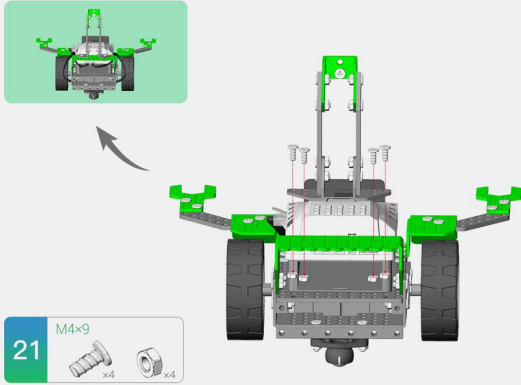
Structure building



Structure building



Structure building



1. Do you know why ultrasonic sensor see object clearly at night



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