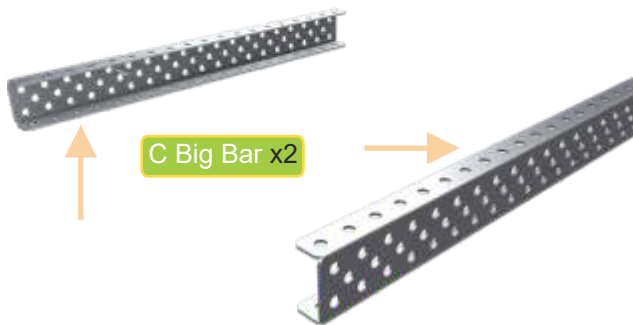


# #3 Robo Walker



1

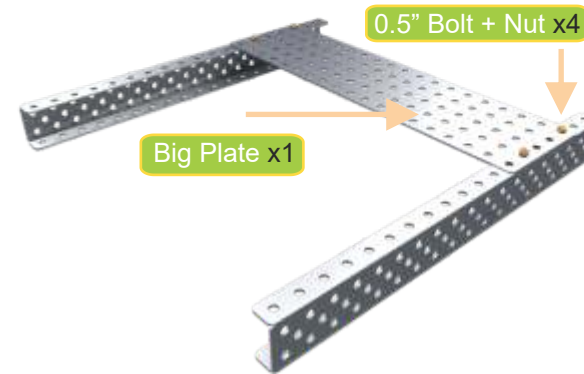


C Big Bar x2

**C Big Bar**

1 .A set of points that lie in a straight line is called collinear points.

2

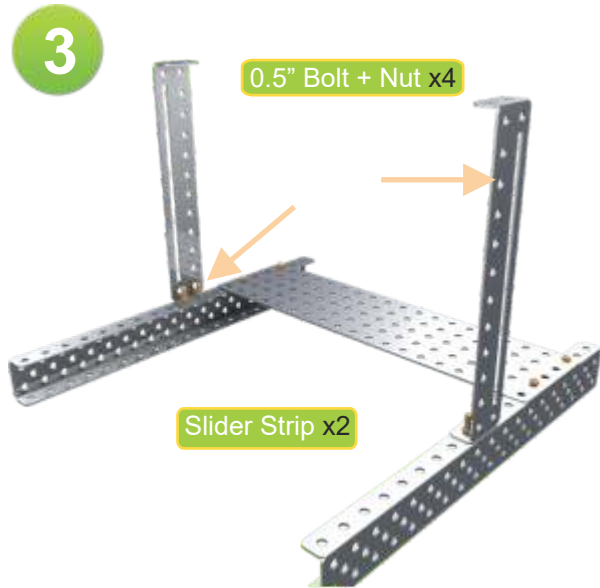


0.5" Bolt + Nut x4

Big Plate x1

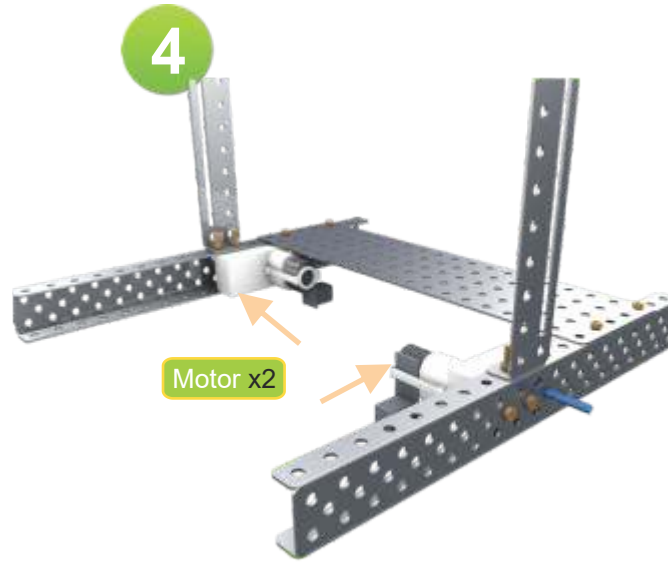
**Big Plate**

1. The big plate is similar to a plane, which is a flat two-dimensional surface.



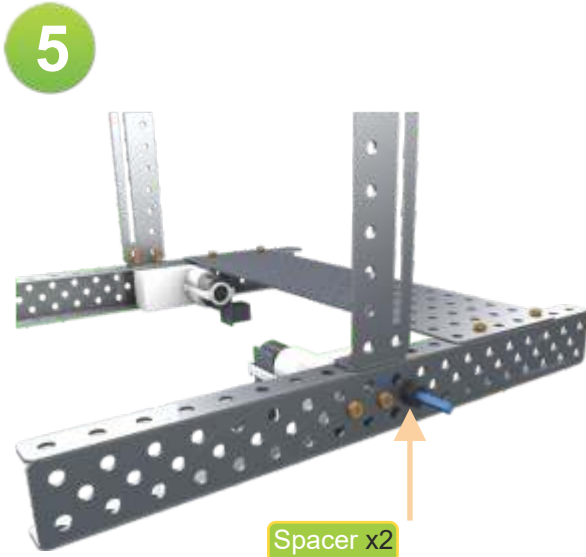
**Slider Strip**

1. Slider bars gives freedom to object move in a linear direction.



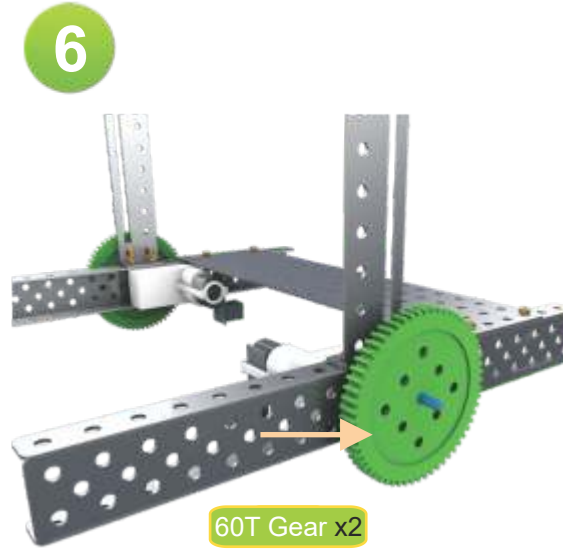
**Motor**

1. In an electric motor the moving part is called the rotor and the stationary part is called the stator.



**Spacer**

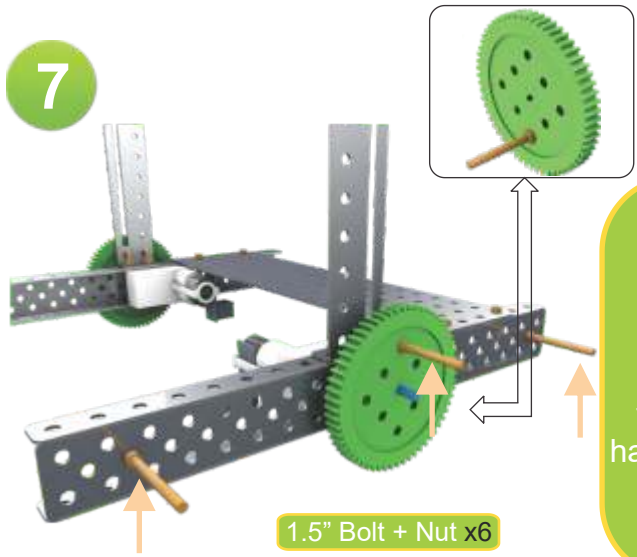
1. Spacer helps to restore and absorb force.



**Gear**

1. A gear is a rotating machine part having cut teeth, in order to transmit torque.

7

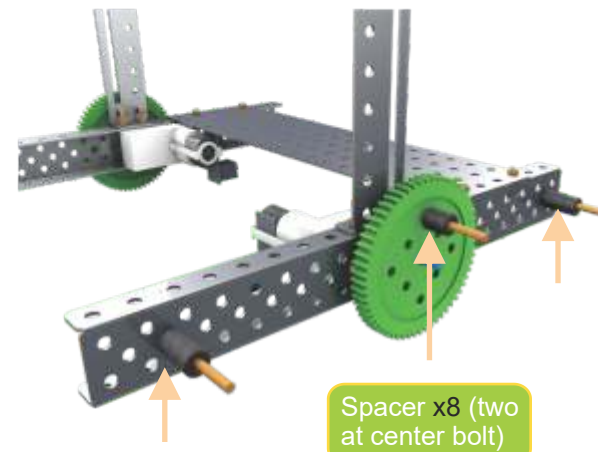


1.5" Bolt + Nut x6

### Bolt

1. Some bolts are threaded along their full length, while others have only a short threaded area at the end.

8

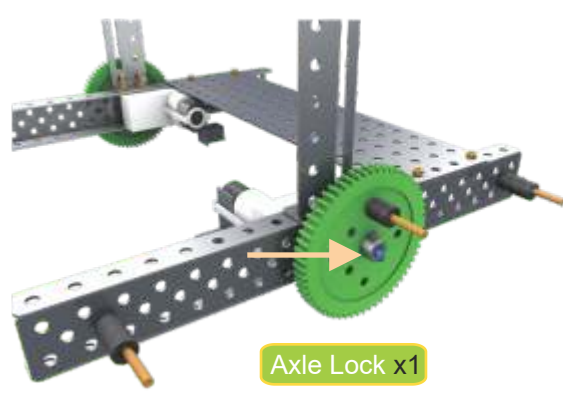


Spacer x8 (two at center bolt)

### Spacer

1. It Makes space between two physical objects.

9



Axle Lock x1

### Axle Lock

1. It ties both the left and right axles together permanently.

10



C Small Bar x4

### C Small Bar

1. This kind of arrangement of C-small bars helps to insert circular rod such as shaft and screw.

11

0.5" Bolt + Nut x4



Axle Lock x4

### Axle Lock

1. To prevent from fatigue, all the axle lock, shaft, wheel, etc. has to be properly lubricated (i.e. oiled).

12



Small Bar x4

### Small Bar

1. The circular holes on the bars are created by a process known as punching.

13



Axle Lock x4

### Axle Lock

1. These are designed to unlock the inside axle during a turn.

14



L Big Bar x2

### L Big Bar

1. These types of L bars are commonly used in the construction of rail tracks.

15



1.5" Bolt + Nut x2

### Nut & Bolt

1. Unlike nuts, bolts come in different lengths and are selected by the thickness of the material between the nut and head of the bolt.

16



Spacer x8 (four at one side)

### Spacer

1. Spacer helps to tighten the nut and bolt and it don't let it untie.

17



Axle Lock x2

### Axle Lock

1. If the axle lock is not allowed to unlock, the vehicle will jerk harshly and chirp the inner tire as the vehicle is turned sharply in any direction.

18



Done

### Done

1. Make all the power connections between motor and remote then Play.

What did you learn?

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