





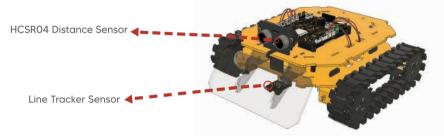


SumoBot

SumoBot is a REX robot that aims to remove objects from the track by using its ramp, distance sensor, and line follower sensor.

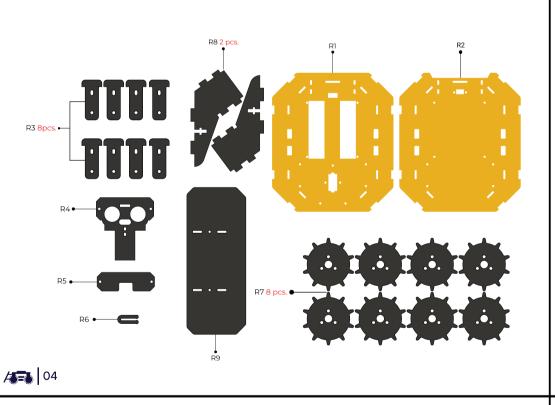
How Does SumoBot Work?

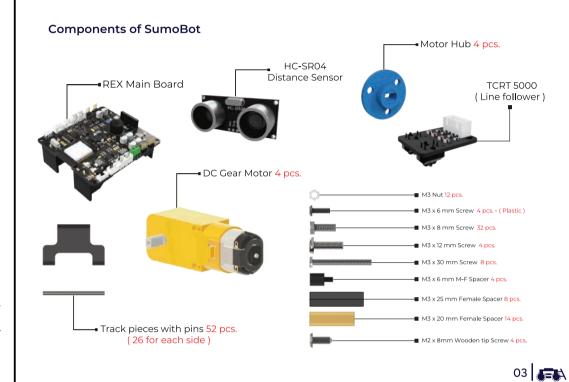
Thanks to the distance sensor in front of SumoBot, it detects the objects/robots around. By moving in the direction where the objects are, it pushes the objects/robots off the track by using the ramp in front of it.

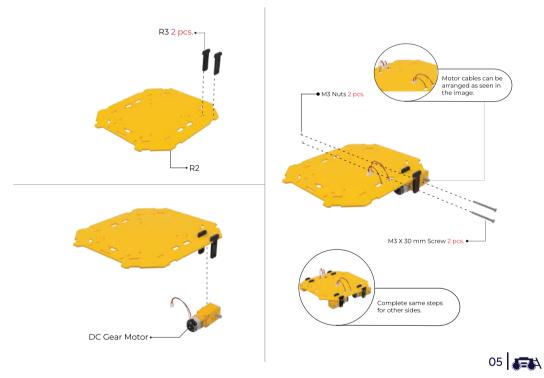


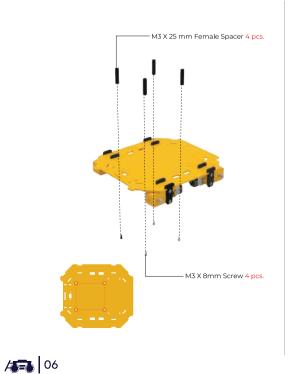
SumoBot detects whether it is on the track or not, thanks to the line follower sensor under it. The line tracker sensor has two IR transceivers. The rays emitted from these IR transceiver sensors give different values on a different colored ground. These value differences provide SumoBot to detect whether it is inside the track or

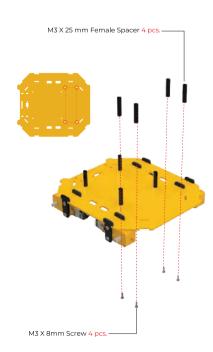
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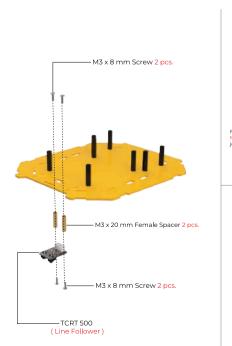


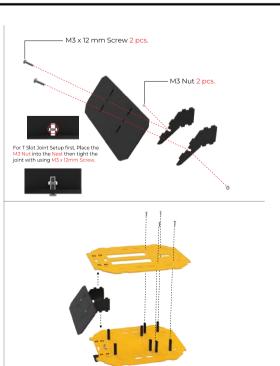




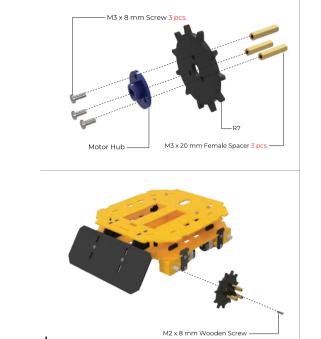








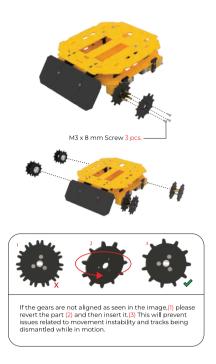
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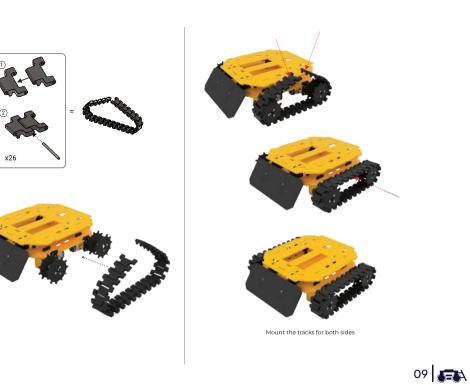
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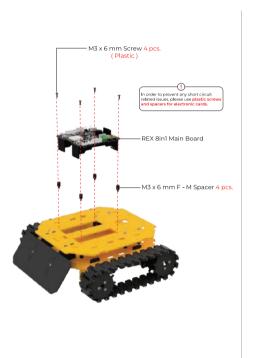
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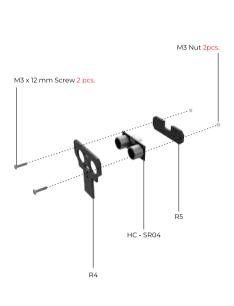
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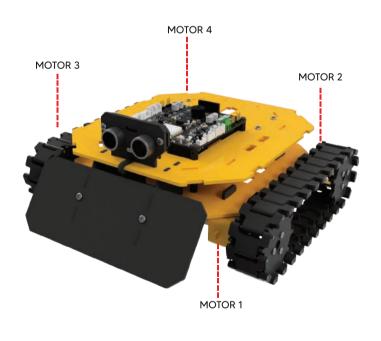








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The Circuit Diagram

After assembling the acrylic pieces, you can proceed with circuit installation as shown in the diagram below.

