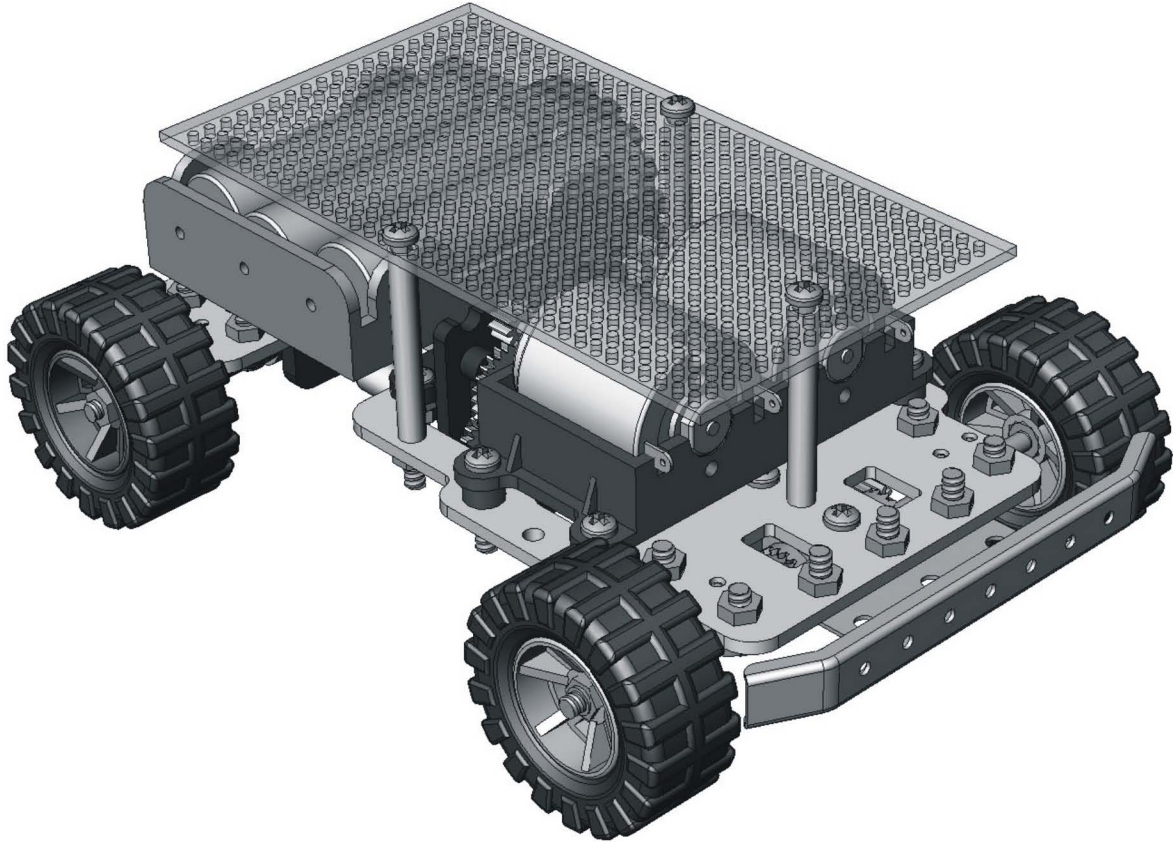


MR. BASIC

Manual: Model TR-3



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The manufacturer and distributor cannot be held responsible for any damages occurred by mishandling, mounting mistakes or misuse due to non-respect of the instructions contained in this manual.



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DAGU Hi-Tech Electronic Co.,LTD
WWW.AREXX.COM.CN



European Importer:
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ZWOLLE, HOLLAND

© DAGU CHINA

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Product Description

Thank you for selecting Mr. Basic-a reliable and expandable platform for your next do-it-yourself project.

Product Features

- 1.Strong and durable Aluminum alloy chassis.
- 2.Two 4.5 voltage powerful motors.
- 3.Easy to assemble, modular, and expandable structure.
- 4.Independently packaged parts for easier identification and assembly.

Build it now! Realize your dream! Create your next masterpiece!



Warnings:

- Opened packages can not be returned. Please check package contents before opening.
- Read the instructions carefully before assembly.
- Use all tools carefully.
- Small parts are a choking hazard. Keep this kit away from young children and babies during construction and operation.
- Not for children under 8 years. Not to be used by children except under adult supervision.
- Observe the correct polarity of the battery.
- Keep the battery dry at all times.
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Remove the battery if the kit is not used for a long period of time.

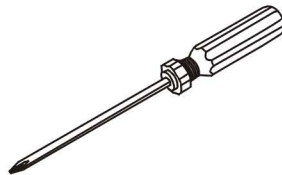
Necessary Tools:

Please read this manual thoroughly before you start assembling the kit. Please follow the assembling instructions exactly to avoid problems. If you work accurately and follow the instructions in this manual exactly, you will quickly assemble a complete Mr. Basic.

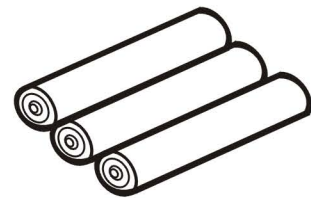
Before you start you must prepare the following tools:



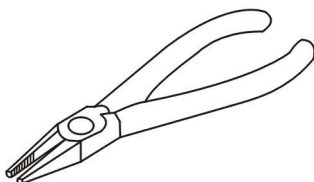
HEX(Included)



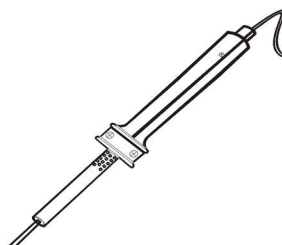
PHILLIPS CREW DRIVER



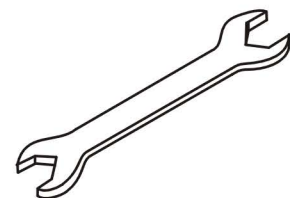
AA BATTERY



FLAT NOSE PLIERS



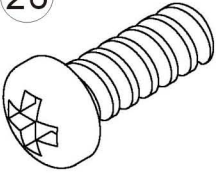
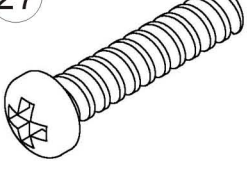
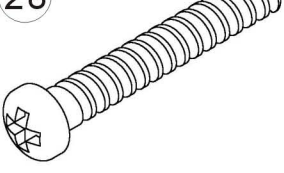
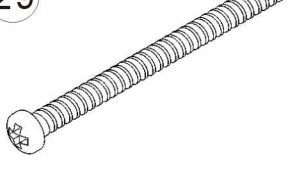
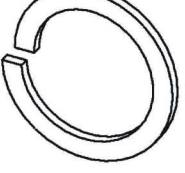
IRON SOLDER



HEX SPANNER
(Included)

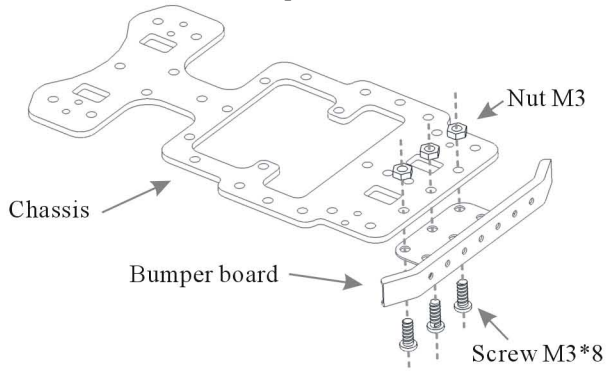
List of components:

<div>1</div> <div></div> <div>Motor gear (T10, Hole1.9) 2 pcs</div>	<div>2</div> <div></div> <div>Double-pinion (T30+10, Hole2.4) +axis (Diameter2.5, L18) 2 pcs</div>	<div>3</div> <div></div> <div>Motor gear (T10, Hole2.4) +axis (Diameter2.5 L24) 4 pcs</div>	<div>4</div> <div></div> <div>Single-pinion (T36, Hole2.4) +axis (Diameter2.5, L45) 2 pcs</div>	<div>5</div> <div></div> <div>Axis joint device 4 pcs</div>
<div>6</div> <div></div> <div>Kimi screw 8 pcs</div>	<div>7</div> <div></div> <div>Front axle (Diameter3, L 44, One end 10, Screw Thread M3) + crown gear (T20, Hole2.9) 2 pcs</div>	<div>8</div> <div></div> <div>Rear axle (Diameter3, L 44, One end 10, Screw Thread M3) + crown gear (T20, Hole2.9) 2 purchase</div>	<div>9</div> <div></div> <div>Motor260 2 pcs</div>	
<div>10</div> <div></div> <div>Motor260 holder 1 pc</div>	<div>11</div> <div></div> <div>Chassis 1 pc</div>	<div>12</div> <div></div> <div>Decelerated pinion chassis 2 pcs</div>	<div>13</div> <div></div> <div>Big wheel 4 pcs</div>	
<div>14</div> <div></div> <div>Large rubber wheel 4 pcs</div>	<div>15</div> <div></div> <div>Rear axle shaft fixer1 1 pc</div>	<div>16</div> <div></div> <div>Rear axle shaft fixer2 4 pcs</div>	<div>17</div> <div></div> <div>Bumper board 1 pc</div>	
<div>18</div> <div></div> <div>Battery holder 1 pc</div>	<div>19</div> <div></div> <div>M3 Nut 27 pcs Nylon Nut 14 pcs</div>	<div>20</div> <div></div> <div>Front axle shift metal fixer 1 pc</div>	<div>21</div> <div></div> <div>Motor self-tapping screw (M2.3*6)/(M2.6*6) 2 pcs 2 pcs</div>	
<div>22</div> <div></div> <div>Spacer (outer4 inner3 L6) 2 pcs</div>	<div>23</div> <div></div> <div>Spacer (outer4 inner3 L12) 4 pcs</div>	<div>24</div> <div></div> <div>Spacer (outer4 inner3 L30) 3 pcs</div>	<div>25</div> <div></div> <div>PCB 1 pc</div>	

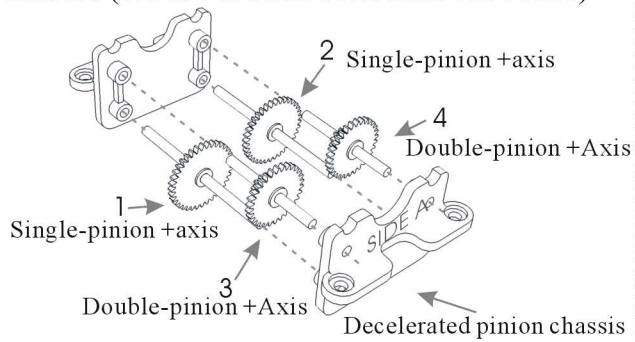
<p>26</p>  <p>Screw M3*8 20 pcs</p>	<p>27</p>  <p>Screw M3*12 4 pcs</p>	<p>28</p>  <p>Grub screw M3*20 2 pcs</p>	<p>29</p>  <p>Screw M3*40 3 pcs</p>	<p>30</p>  <p>M3 spring washer 4 pcs</p>
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Instructions mechanical assembly:

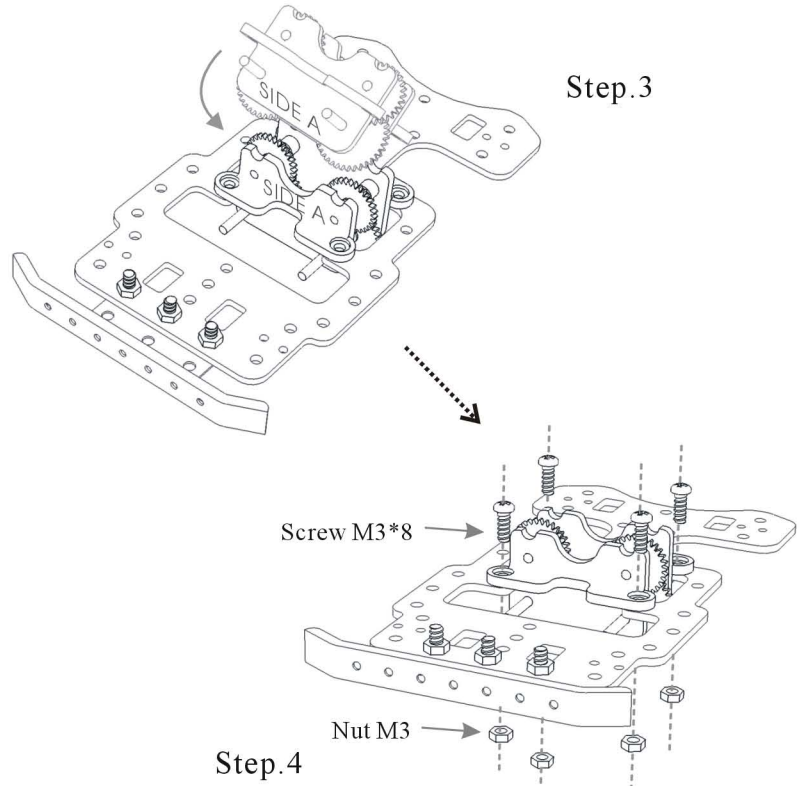
STEP.1 Fix the bumper board



STEP.2 Assemble the decelerated pinion chassis (Please assemble in number order)

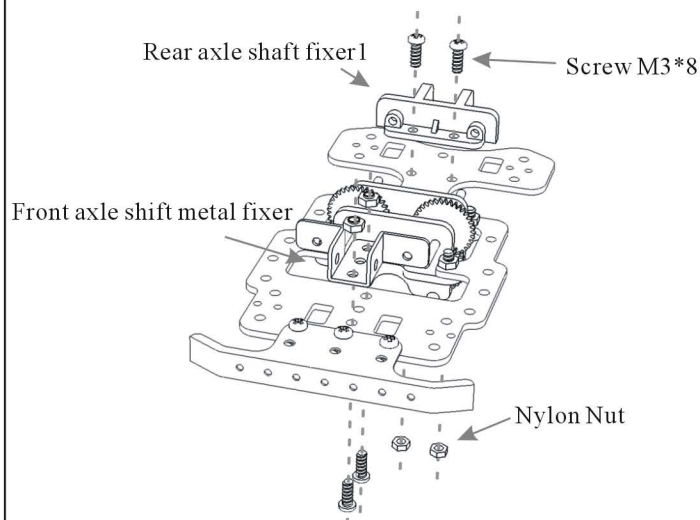


STEP.3-4 Install and fix the decelerated pinion chassis

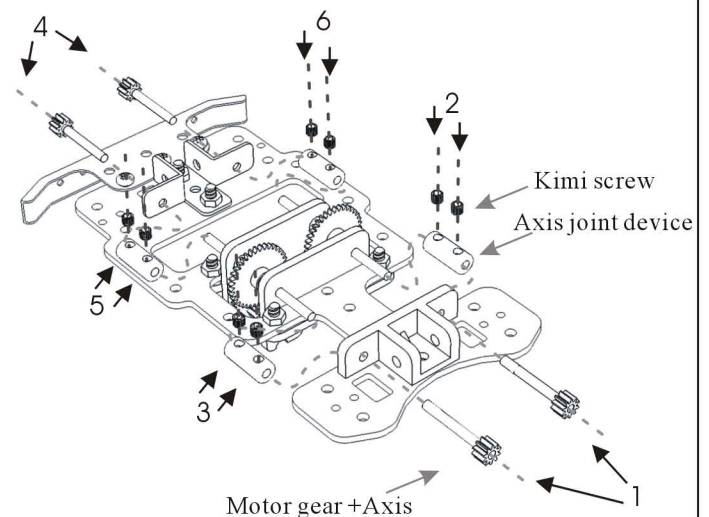


SIDE A show the gearbox install direction

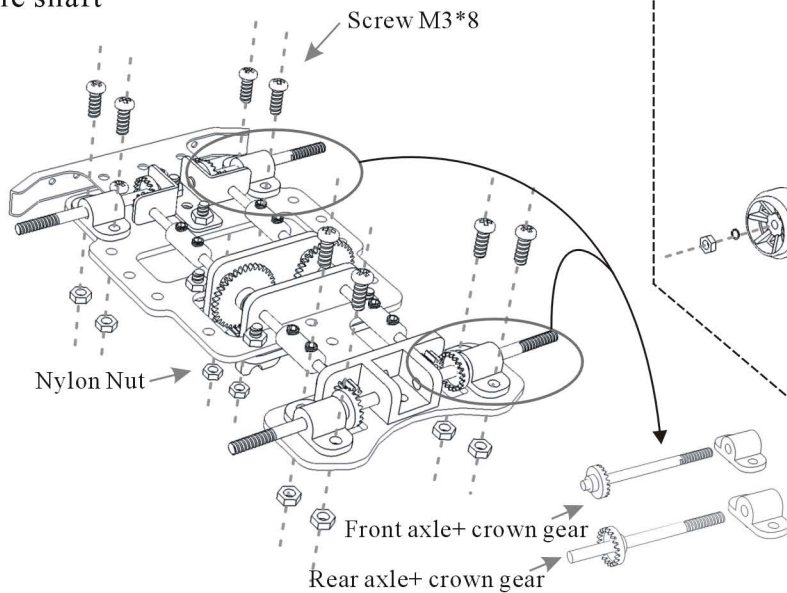
STEP.5 Install the rear axis fixing



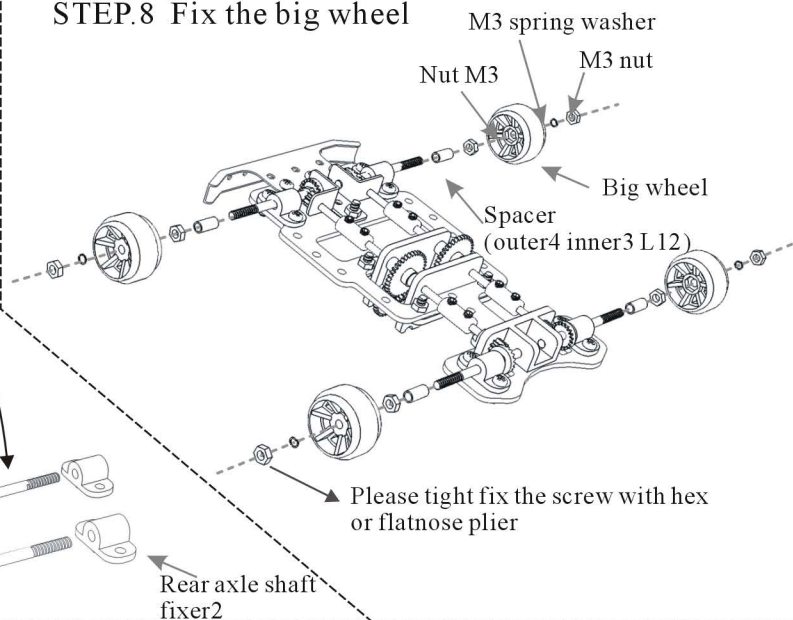
STEP.6 Install the axis joint device (Please assemble in number order)



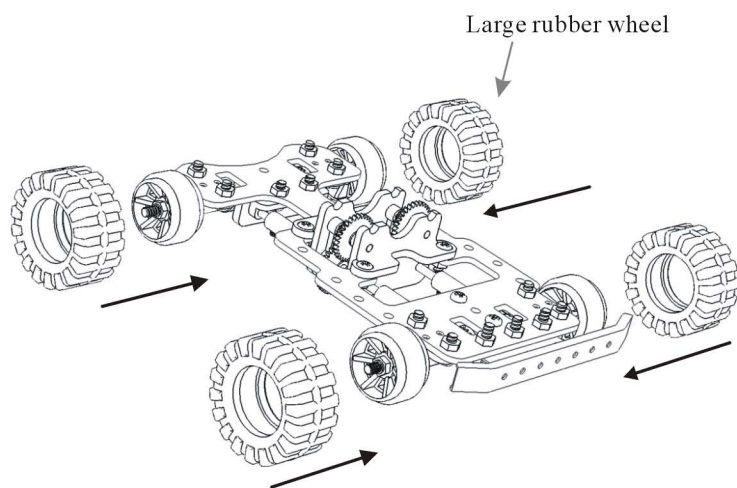
STEP.7 Install the rear axis fixing2 and rear axle shaft



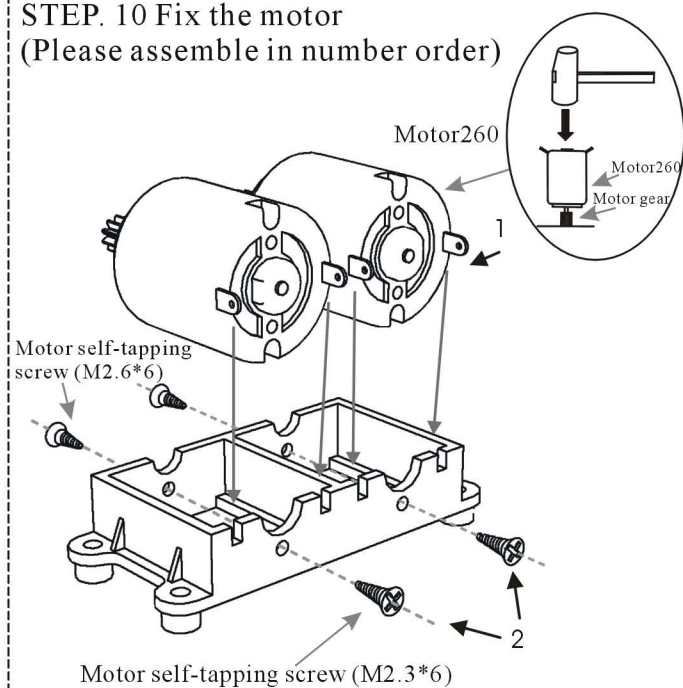
STEP.8 Fix the big wheel



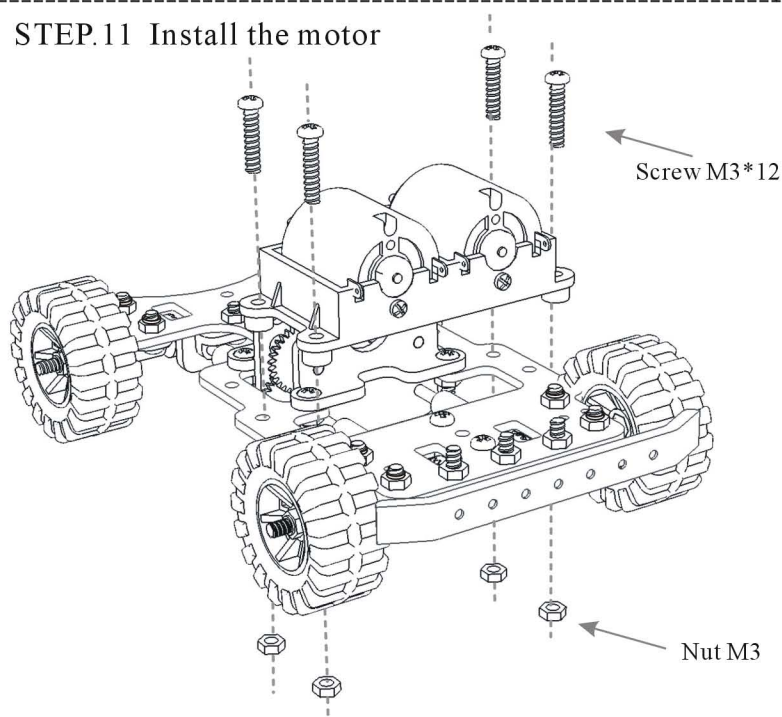
STEP.9 Install the big rubber wheel



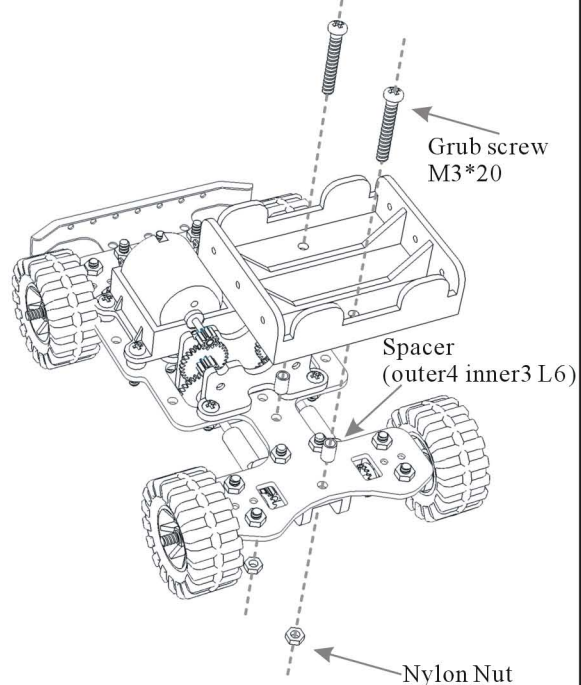
STEP. 10 Fix the motor (Please assemble in number order)



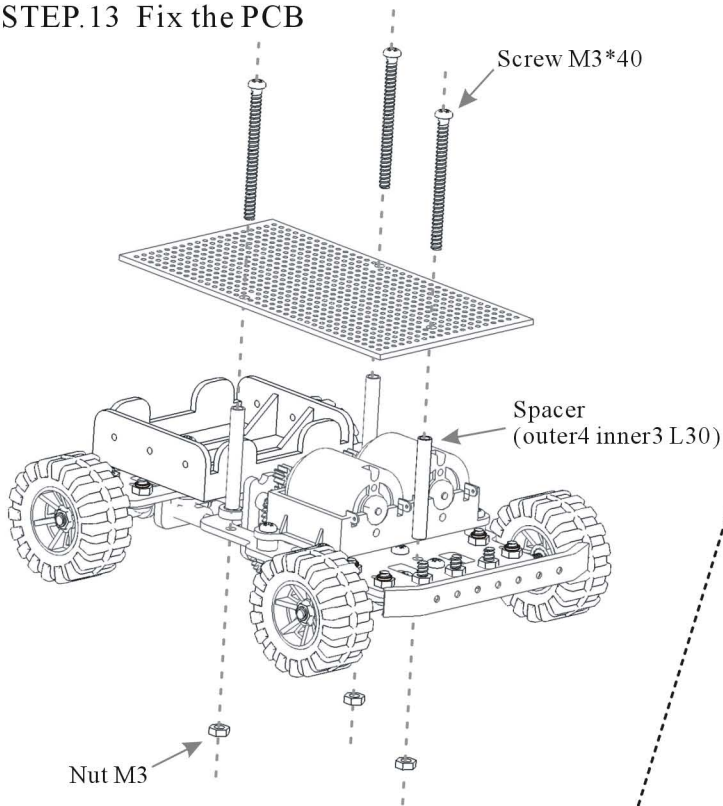
STEP.11 Install the motor



STEP.12 Fix the battery holder

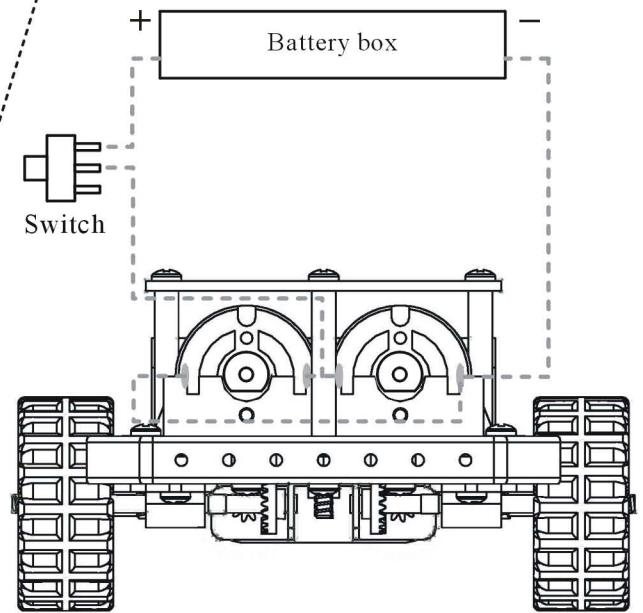


STEP.13 Fix the PCB

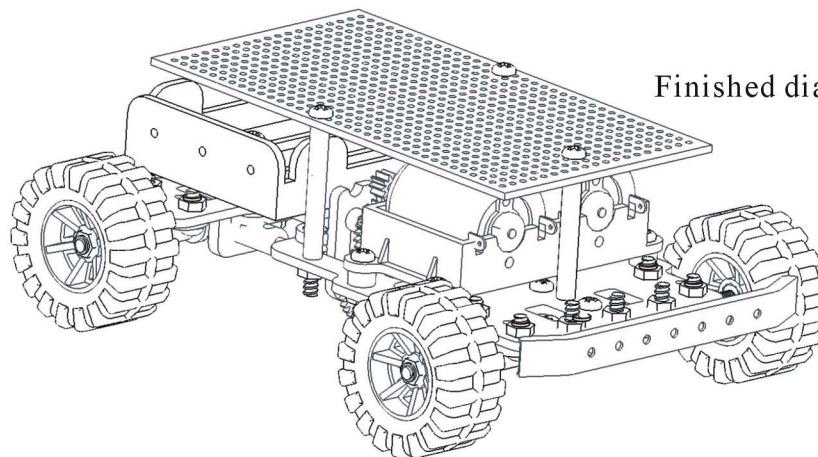


STEP.14 Battery box, switch, motors connection

Suggestion:
Switch and wire are excluded in partlist.
Please assemble the switch as below:



*You can solder the switch on the PCB.



Finished diagram

① You can attach the AA batteries before assembling the PCB.

② After finishing all previous steps, you can design your own speed control circuit and solder it on the PCB.

Trouble shooting:

Problems	Solutions
The motors will not spin after being switched on	<ul style="list-style-type: none"> • Check the circuit: Is it turn-off or connected correctly?(beware of shorting) • Check all components, see if they are assembled correctly and partial spinning parts are chocked. • Check the gears.(Please settle it immediately, this problem may overheat the motor and/or battery, which will lead to damage to your model.)
Noisy after starting	<ul style="list-style-type: none"> • Check all screws and nuts: Are they tight and correctly fitted? • Check the gears. • Check the wire and other components, do not touch the moving parts?