

The 6WD shock absorber car is the first product independently designed and developed in China, stamping metal body, strong and durable; 6 wheels alone.

Vertical shock absorption to ensure the perfect operation of each power unit; Damping shock absorber to provide a smooth platform for walking; 370 high-speed carbon brush motor,

34:1 gearbox with abundant power and long service life; 72mm cross-country wide body wheel, providing sufficient grip and bearing capacity; through

The effective combination of screw makes it a smart vehicle with high cross-country performance.

In the installation process, the most easily mistaken is the screw specifications. Here, keep in mind the screw specifications and usage:

M2.5 * 14mm screw is used to fix the small ball head of shock absorber.

M2.5 * 16mm screw is used to fix the big ball head of shock absorber.

M3 * 6mm screw is used to fix motor, chassis and copper column.

M3 * 10mm screw is used to fix flange bearings and brackets, brackets and chassis.

There are small parts in the accessories. Do not place them where children can touch them. Please check the shipping list before installation.

There are leaky items. When installing, pay attention to safety and avoid scratches.

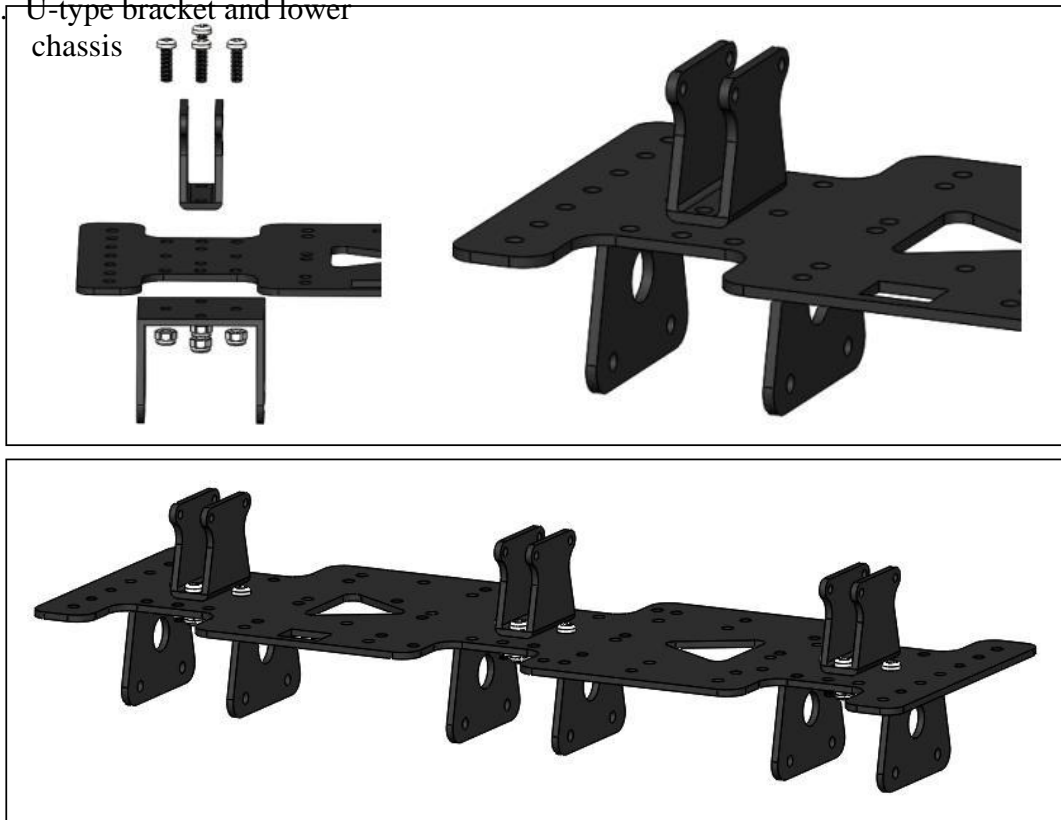
The installation of the 6-wheeled car is relatively simple, mostly with repetitive and symmetrical structure. If you need to load large weight parts, you only need to install and distribute them.

The spring can be pulled, but the effect of vibration reduction will be significantly reduced, which is inevitable.

A large number of holes are integrated on the chassis to facilitate the installation of various modules, as well as other required accessories.

	name	qty	note
A		2	Upper and lower two aluminium chassis
	U bracket	3	
	Small U bracket	3	
	Motor bracket	6	
	Shock absorber	6	Header
	37 motor	6	
	17-4mm coupling	6	1:34 reduced ratio
	wheel	6	M3、M4 screws
	pillar	8	72MM wheel
	bearing	12	30MM
	cross tool	1	inner 3mm outside 8mm
	Rocker switch	1	
	Red and black wire	1	
	Drag spring	1	Heating shrinkage pipe + banding
B		6	
	M2.5 * 14mm		3 pcs for each type
	M2.5 * 16mm	6	
	M2.5 Anti-loosening nut	6	
	M3 * 6mm	12	
	M3 * 10mm	28	
	M3 Anti-loosening nut	24	

1. U-type bracket and lower chassis

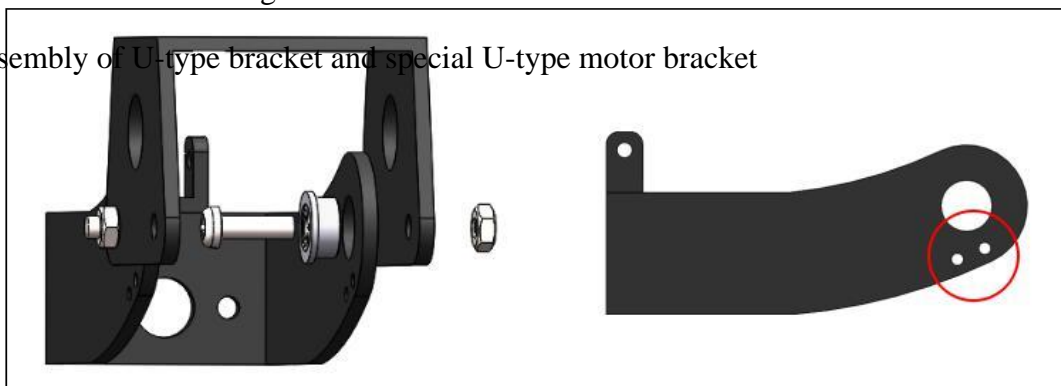


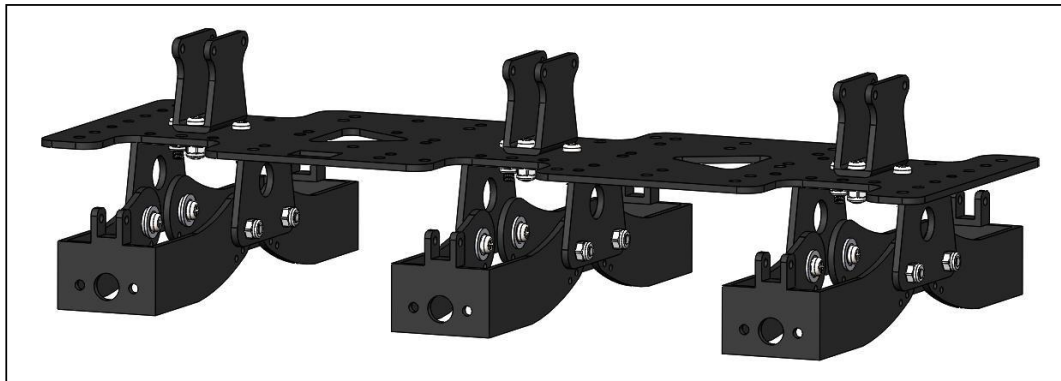
Large U-shaped bracket is below, small U-shaped bracket is above, pay attention to the direction of opening, install the remaining two brackets according to this method.

M3 * 10mm screw * 12

M3 anti-loosening nut*12

2. Assembly of U-type bracket and special U-type motor bracket

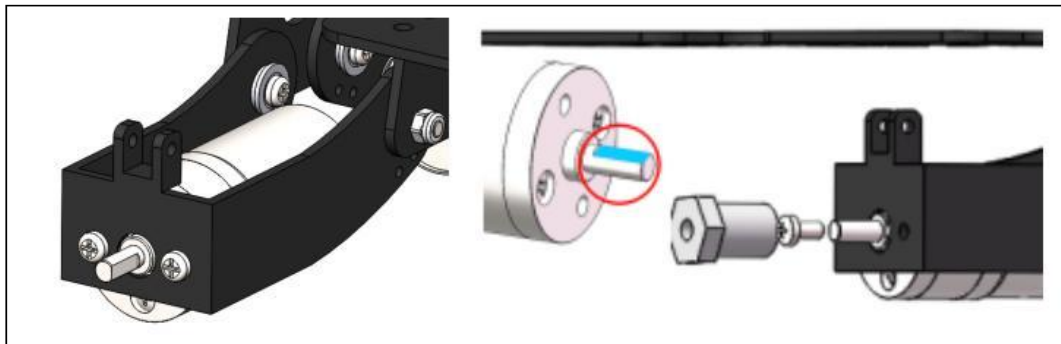




If you need to install the pull spring, please install the red ring hole in the picture above and then assemble it on the U-shaped bracket; the bearing is installed in the bracket.

- Side, screw in, nut out
- M3 * 10mm screw * 4 (12)
- M3 locknut* 4 (12)
- Flange bearings*4(12)

3. Installation of motor



The holes with threads of the motor are aligned with the mounting holes of the bracket, which are fixed by the screw. Weld the motor wires before installation.

Short, 2 sides long

On the motor shaft of the coupling, the screw is fixed on one side of the platform. The colored side in the red circle is shown in the picture.

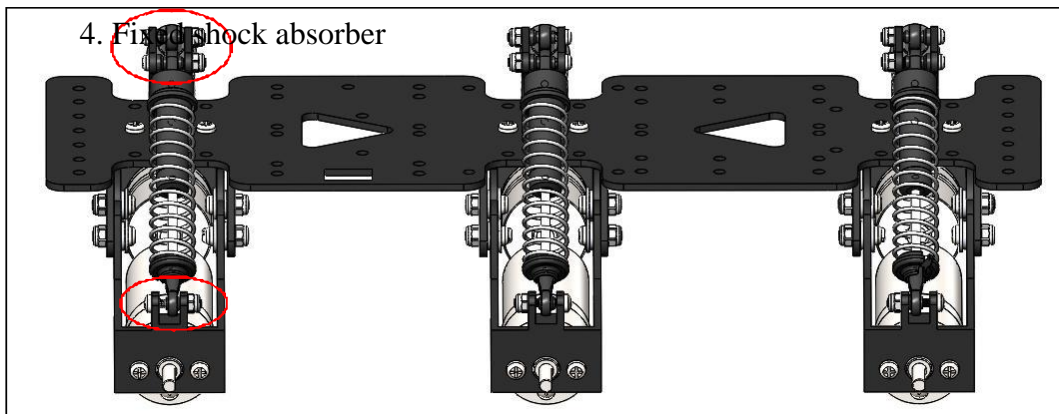
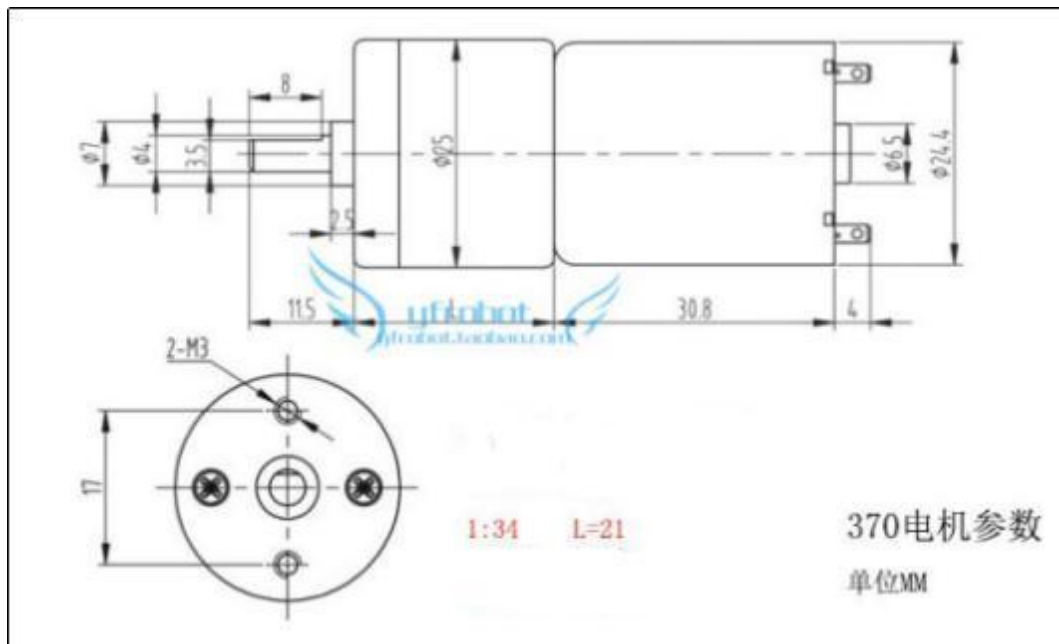
The pins at the back of the motor are marked red. One side with red dots is welded with red wires, and the other pin is welded with black wires.

370 High Speed Motor*6

Coupling*6

M3 * 6mm screw * 2 (12)

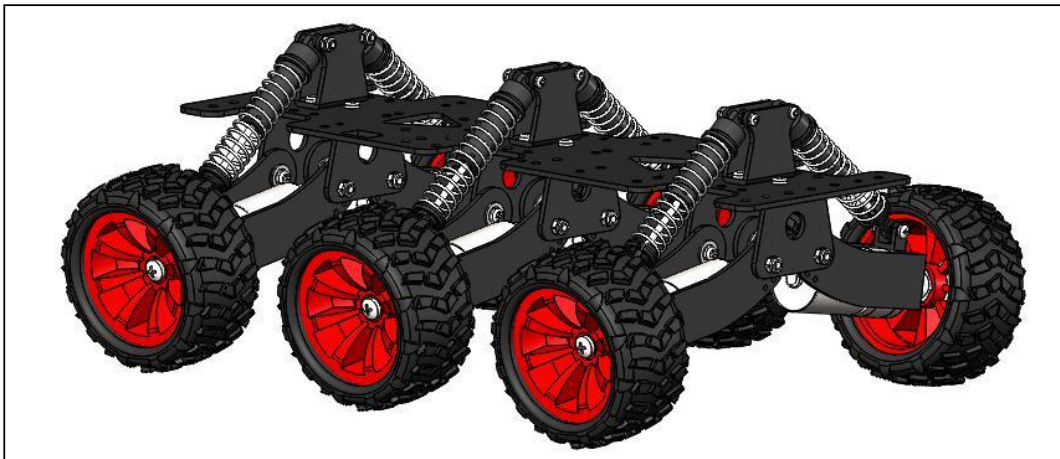
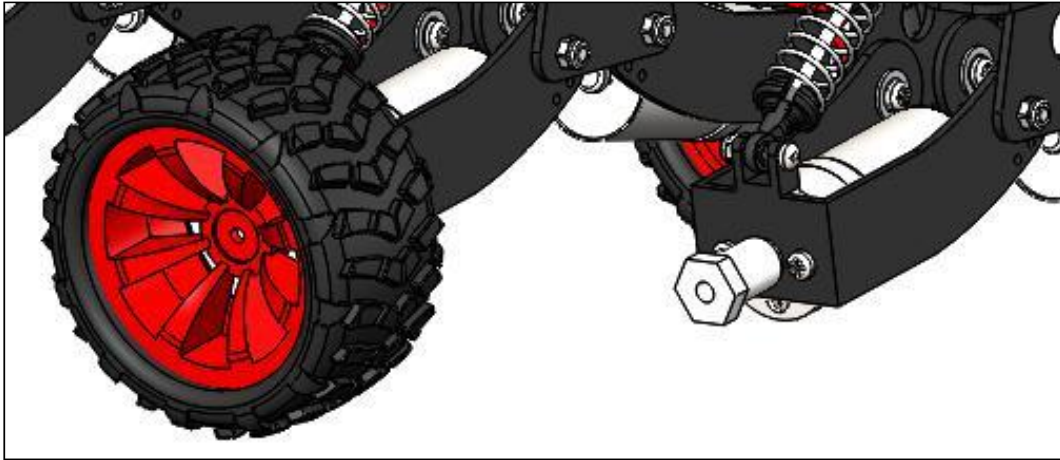
Motor parameters and dimensions:				
Voltage (V)	Speed (rpm/min)	Reduction Ratio (m/s)	Speed (m/s)	Torque (kg/cm)
8	11500	34	1.2	1
12	17000	34	1.6	1.8



The metal shock absorber is fixed on the bracket and connected with the upper bracket and the motor bracket. The spring strength can be adjusted by the shock absorber.

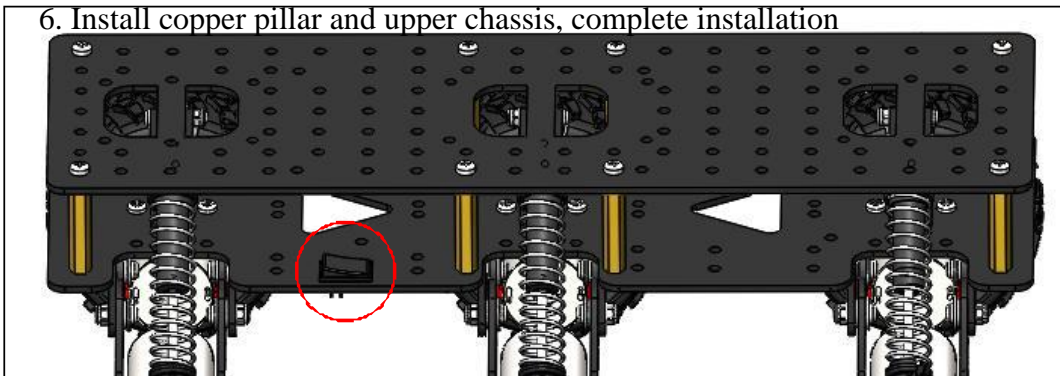
- Metal shock absorbers*6
- M2.5 * 14mm screw * 6 (below)
- M2.5 * 16mm screw * 6 (above)
- M2.5 anti-loosening nut*12

5. Fixed wheels



Fix the wheel to the top of the hexagonal coupling and screw it (M4)
72mm wheels*6

6. Install copper pillar and upper chassis, complete installation



Install the yellow copper pillars in the drawing and fix them before installing the chassis.
Copper pillar 30mm*8
M3 * 6mm * 16

Ship Type Switch* 1 (Red Ring Position)

