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Caution:

1. Read and fully understand this manual before assembly.
2. This product needs to be assembled under adult supervision.
3. Only suitable for children aged 8 years or older.
4. Not suitable for children under 3 years old. This product contains small parts which may be accidentally swallowed or inhaled. If swallowed it can cause asphyxiation in children under 3 years old. If this does occur go to the doctor immediately.
5. This product contains pieces with sharp edges/corners e.g. on the components lead and plastic parts. Please keep away from children under the age of 3.
6. To assemble the model you will need to use tools(not included). Adult supervision is recommended.
7. Be careful when handling metal parts while constructing the model. These parts contain sharp corners and sharp edges.
8. Please keep this instruction manual as it contains important information.

Operating Specification Tips

1. Before assembling this product, please carefully check that all wires are connected correctly. Note: If any errors in the wiring are discovered, please fix them before plugging in the battery and the power supply. Failure to do so may result in damage to parts of the product.
2. After operation, please make sure to disconnect the battery switch and turn off the device.
3. Do not lock the motor or other moving parts, otherwise it may cause the parts to overheat.
4. The number of power supplies connected to this product cannot exceed the recommended number.

Caution:

Please read through the tips below before starting and follow them during the assembly and usage of the product.
Please cut out the required parts according to the assembling procedure.
Please cut off burrs (raised parts, protrusions) of the parts cleanly to avoid any gaps during assembly.

chip

Be sure to lock the screws to the bottom.

The screws should be completely tightened. If the screws are not tightened enough, the model may not work properly.

Diagonal Plier, Cross Screwdriver, AA Battery

Self-Provided Tools and Use Skills

Parts list

A, B, C, D1, D2, D3, E1, E2, F1, F2

X4, X2

The product contains sharp corners and sharp edges. Use with care.

P1 Tapping Screws 1PCS, P2 Battery chip(anode) 1PCS, P3 Battery chip(cathode) 1PCS, P4 Hexagonal axis 1PCS, P5 Double-sided adhesive 2PCS, P6 Motor wheels (red) 1PCS, P7 Tooth wheel (white) 4PCS, P8 Tooth wheel (yellow) 1PCS

Box assembly with circuit board loading

Motor 1PCS, Solar panels 1PCS, Circuit board 1PCS, Decorative stickers 1PCS, Tapping Screws 4PCS

1, 2, 3, 4, 5

Place the gear on the plane and press the motor shaft vertically in place.

Assemble 4 sets.

Omnidirectional antenna assembly

B5, C1

Navigation camera assembly

C7, D6

Directional antenna assembly

C5, C3

Wheel skeleton assembly

1, 2

B2, D2, B1, D2

Make sure the light face is on the outside.

Drive wheel assembly

1, 2

P4, P8, D3

Solar panel installation

1

P10, P5

Remove the upper sticker.

Stickers on the flat surface.

2, 3

The top protective film. Press it down firmly.

Tear off the lower sticker.

D1

Battery chip installation

1, 2

P2, P3

The copper sheets on both sides bend outward.

Overturn 180°

7

Installation of under-car accessories

1, 2

Push the battery copper strips on the left and right sides inward.

Red Wire

Organize the wires under the car.

3, 4

Right: Connect to solar power. Left: Connect to solar power.

Power terminals (red), Power terminals (white)

B3, B4, B5, B6

5, 6, 7

Press firmly down and hear "click".

B1&B2 should be installed facing the ON/OFF switch.

B1&B2 should be installed facing the ON/OFF switch.

8, 9

O8, B6

10, 11

Solar-powered, Battery drive, Switch

Installation of car accessories

1, 2

Press firmly after positioning.

3, 4

C4

5, 6

P1, F2, A5, A4, A3, A6, A5, A6, A3

7, 11

8, 9

A2, A1, A3, A4

Sticker installation

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

P12

Principle learning

Solar energy conversion to electricity. When sun light shines on the surface of the silicone solar battery board, the light is absorbed as photons (small packets of energy) by the silicone material. This photonic energy is then transmitted to the silicon atoms which then release free electrons and produce an electrical charge. The electrical charge is then transferred across to an external processing circuit under the action of voltage resulting in a current through the external circuit. The final result is a specific power output being generated. This is the essence of the process by which photon energy is converted to electrical energy.

Electrical energy conversion to kinetic energy. Electric energy is converted into kinetic energy using electromagnetic induction. The electric field generated by the energized coil forces the rotor to rotate continuously. The rotating rotor moves the wheel through the gears and connecting shafts.

This principle learning is only a summary. For further information, please refer to a formal textbook or online resources.

Matters need attention

For best results, use outside in direct sunlight. This product will not work in cloudy locations or under fluorescent lights.

Sunny day: Full power, Indoor: Adequate power, Overcast sky: Power failure

SOLAR MARS ROVER

ADULT SUPERVISION REQUIRED. PRODUCT MAY VARY SLIGHTLY FROM IMAGE SHOWN. PLEASE KEEP THE PACKAGING FOR FUTURE REFERENCE. SOLAR PANELS WILL NOT WORK IN CLOUDY LOCATIONS OR UNDER FLUORESCENT LIGHTS. FOR BEST RESULT USE OUTSIDE IN DIRECT SUNLIGHT.

MADE IN CHINA

WARNING: CHOKING HAZARD. SMALL PARTS. NOT FOR CHILDREN UNDER 3 YEARS.

WARNING: FOR SAFETY REASONS, REMOVE ALL TAGS, LABELS, AND PLASTIC FASTENERS BEFORE GIVING THIS TOY TO YOUR CHILD.

WARNING: CONTAINS FUNCTIONAL SHARP POINT AND SHARP EDGE. USE WITH CARE.

CUSTOMER SERVICE: KMART AU: 1800 124 125, KMART NZ: 0800 945 995, TARGET AU: 1300 753 567

Keycode:43335572