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› OWI Inc T4 Transforming Solar Robot Instruction Manual

OWI Inc OWI-MSK617

OWI Inc T4 Transforming Solar Robot Instruction Manual

INTRODUCTION

The OWI Inc T4 Transforming Solar Robot is an educational kit designed to introduce children to solar power and mechanical transmissions. This kit allows for the construction of four distinct robot configurations: Robot, Insecta, T-Rex, and Drill Vehicle. Each mode is powered entirely by solar energy, eliminating the need for batteries. The T4 features larger parts, making assembly accessible for younger users. It provides an engaging way to learn about renewable energy and basic mechanics.

WHAT'S IN THE BOX

Your OWI Inc T4 Transforming Solar Robot kit includes all the necessary components to build any of the four robot configurations. Please verify all parts are present before beginning assembly.

- T4 Transforming Solar Robot components (various plastic parts, gears, motor, solar panel)
- Detailed instruction manual for assembly of all four modes

ASSEMBLY INSTRUCTIONS

The T4 Transforming Solar Robot kit allows you to build one of four unique models at a time. To switch between models, you will need to disassemble the current model and reassemble it into the desired new configuration. Adult supervision is recommended, especially for younger children, to ensure correct assembly and handling of small parts.

Refer to the included printed instruction manual for detailed, step-by-step diagrams and instructions for building each of the four robot modes.



The product packaging illustrates the four distinct robot configurations.



A visual guide to the four available robot modes: Drill Vehicle, Robot, T-Rex, and Insecta.

OPERATING INSTRUCTIONS

The T4 Transforming Solar Robot is powered exclusively by direct sunlight. It does not store energy in a battery, meaning it will only operate when exposed to sufficient direct solar radiation.

Solar Power Operation

- Place the assembled robot in an area with direct, unobstructed sunlight.
- Ensure the solar panel on the robot's back is fully exposed to the sun.
- The robot will begin to move as soon as enough sunlight hits the solar panel.
- Movement will cease if the robot enters a shaded area or if sunlight is insufficient.

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Video demonstrating the T4 Solar Robot (Robot mode) operating in direct sunlight and stopping when moved into shade, highlighting its solar-powered functionality.

Robot Modes Overview

Each of the four configurations offers unique movements and characteristics:

Drill Vehicle Mode



The Drill Vehicle mode features moving wheels and a rotating drill bit, resembling a mining vehicle.

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Video showcasing the T4 Solar Robot in Drill Vehicle mode, demonstrating its movement and drill action under solar power.

Robot Mode



The Robot mode walks on two legs and features moving wheels for dynamic movement.

T-Rex Mode

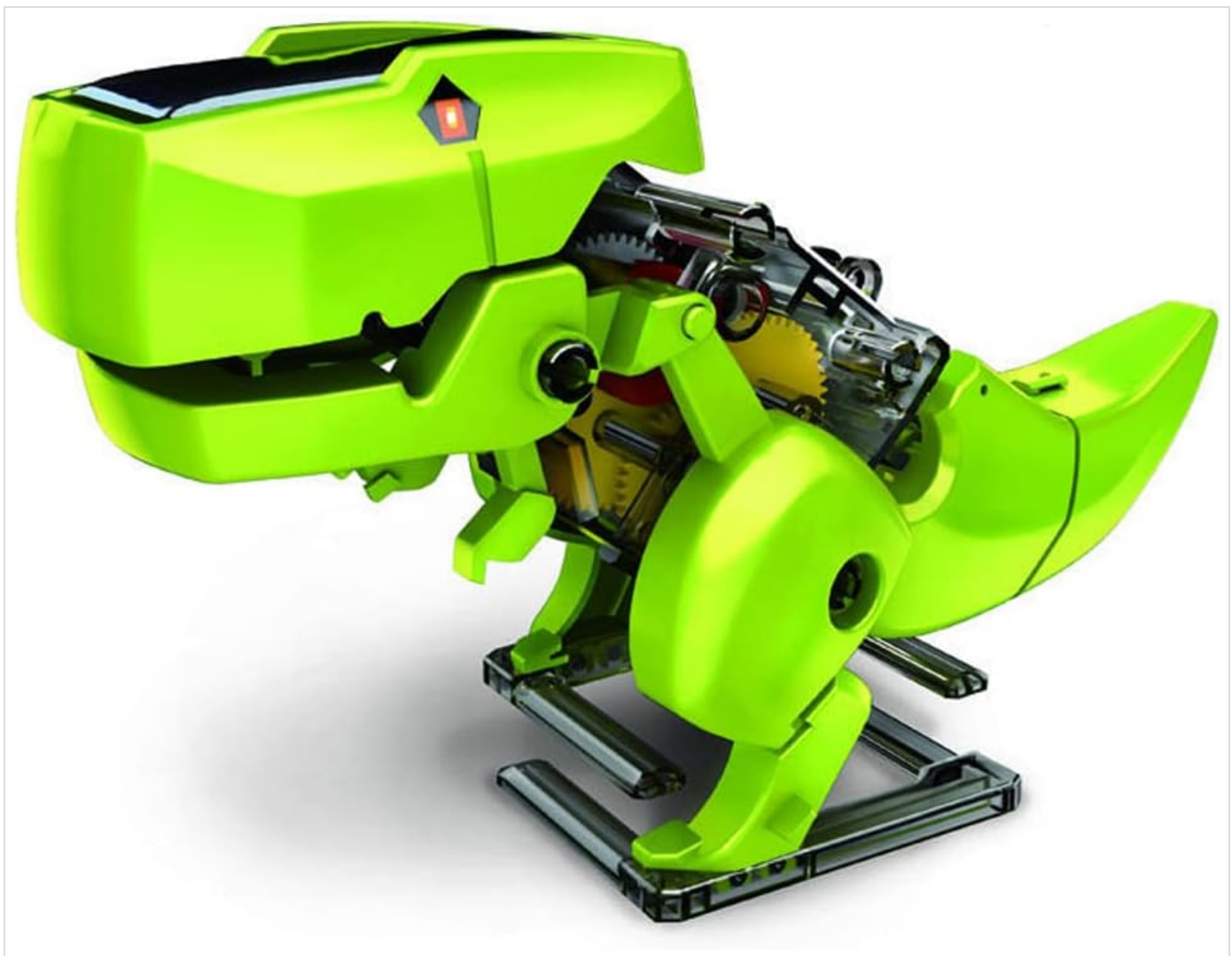


The T-Rex mode walks on two legs and features an articulated jaw for realistic dinosaur action.

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Video illustrating the T4 Solar Robot in T-Rex mode, demonstrating its walking and jaw movement when exposed to direct sunlight.

Insecta Mode



The Insecta mode moves on six legs and features moving jaws, mimicking an insect's movement.

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Video showing the T4 Solar Robot in Insecta mode, demonstrating its multi-legged walking motion powered by solar energy.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the robot. Avoid using water or harsh chemicals, especially on the solar panel and electronic components.
- **Storage:** Store the robot in a cool, dry place away from direct sunlight when not in use to prevent potential damage to plastic parts over time.
- **Handling:** Handle all parts with care during assembly and disassembly to prevent breakage.

TROUBLESHOOTING

- **Problem:** The robot is not moving.
Solution:
 - Ensure the robot is placed in direct, strong sunlight. Overcast conditions or indoor lighting will not provide enough power.
 - Check all electrical connections, especially between the solar panel and the motor, to ensure they are secure.
 - Verify that all gears are correctly aligned and move freely without obstruction.
- **Problem:** Parts are not fitting together correctly.
Solution:

- Refer to the detailed diagrams in the instruction manual to confirm the correct orientation and placement of each part.
- Ensure any excess plastic from the molding process has been carefully removed from the parts.

SPECIFICATIONS

Feature	Detail
Product Dimensions	7.1 x 2.75 x 8.25 inches
Item Weight	9.1 ounces
Item Model Number	OWI-MSK617
Manufacturer	OWI Inc
Recommended Age	8 years and up
Power Source	Solar Powered (no batteries required)

WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your OWI Inc T4 Transforming Solar Robot, please contact OWI Inc customer service. Refer to the product packaging or the official OWI Inc website for contact information and details regarding product warranty.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question