

CIRO 658126940740

CIRO 12-in-1 Solar Robot Kit

INSTRUCTION MANUAL

Model: 658126940740

INTRODUCTION

Welcome to the world of STEM education with the CIRO 12-in-1 Solar Robot Kit! This versatile building set is designed to engage young minds aged 8-12 in science, technology, engineering, and mathematics through hands-on construction and experimentation. With 190 easy-to-build pieces, you can create 12 different unique robots, each powered by solar energy, eliminating the need for batteries.

This manual provides detailed instructions and helpful tips to guide you through the assembly, operation, and maintenance of your solar robots, fostering creativity and problem-solving skills.

SAFETY INFORMATION

CHOKING HAZARD -- Small parts. Not for children under 3 yrs.

CHOKING HAZARD -- WARNING: This product contains small magnets. Swallowed magnets can stick together across intestines causing serious infections and death. Seek immediate medical attention if magnets are swallowed or inhaled.

Always supervise children during assembly and play. Keep small parts away from young children.

WHAT'S IN THE BOX

Your CIRO 12-in-1 Solar Robot Kit includes:

- Building kit (190 easy-build pieces on sprues)
- Instruction manual
- Sticker sheet for decoration



Image: All components of the CIRO 12-in-1 Solar Robot Kit, including plastic parts on frames, the solar panel, motor, and instruction manual.

SETUP & ASSEMBLY

The CIRO Solar Robot Kit allows you to build 12 different robot models, one at a time. Each model utilizes a core gear box and solar panel unit, with interchangeable parts to create various designs. Follow the detailed step-by-step instructions provided in the included manual for each specific robot build.

General Assembly Tips:

- Carefully detach pieces from the plastic frames. Use a small cutter or hobby knife for clean breaks, and a file to smooth any rough edges.
- Organize your pieces by type and number as indicated in the manual.

- Pay close attention to the orientation of gears and connecting pins for proper function.
- Ensure all connections are secure but do not force pieces, as this may cause damage.
- Test the motor and solar panel connections as instructed before fully enclosing the gear box.

Visual Assembly Guides:

Video: A detailed assembly guide for the CIRO Solar Robot Kit, demonstrating the construction of the gear box, motor testing, and various robot configurations. This video is provided by the seller, NextX.

Video: Another comprehensive assembly video for the CIRO 12-in-1 Solar Robot Kit, showing the step-by-step process of putting together the robot's core components and demonstrating different models in action. This video is provided by the seller, NextX.

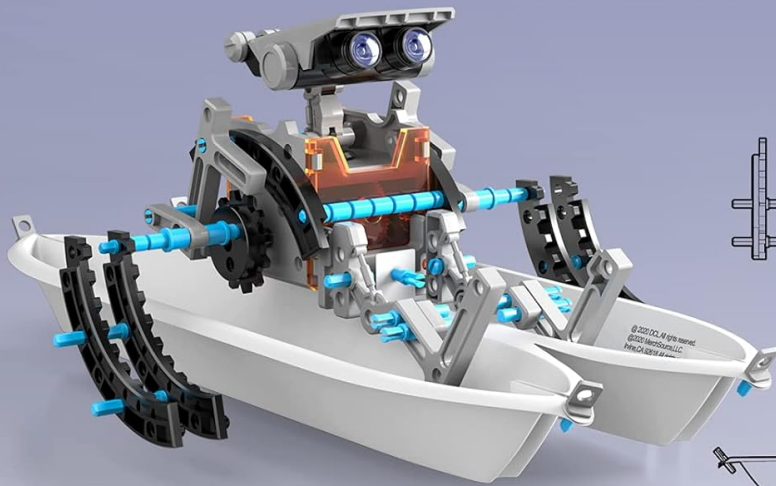
Video: An influencer's perspective on building the 12-in-1 Solar Robot, offering visual insights into the assembly process and highlighting the fun of construction.



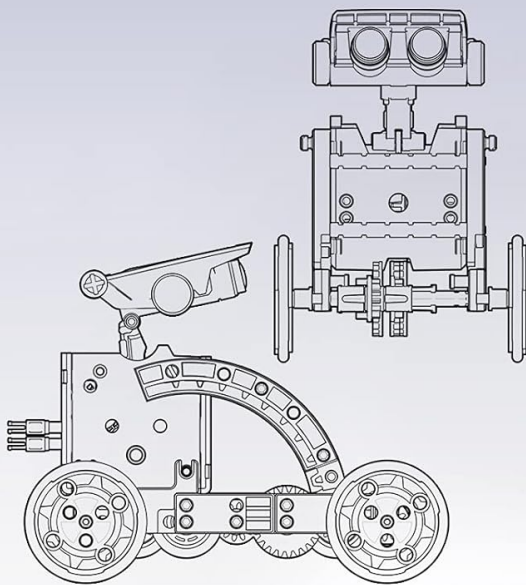
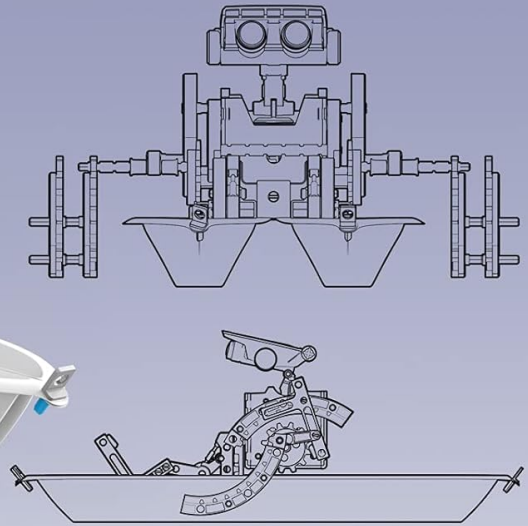
The fun never stops!

To open a world of possibilities with 12 different models!
Little builders will be thrilled as they build their own robots!

Image: A child actively engaged in assembling the robot, demonstrating the hands-on nature of the kit.



Row-Bot



Buggy-Bot

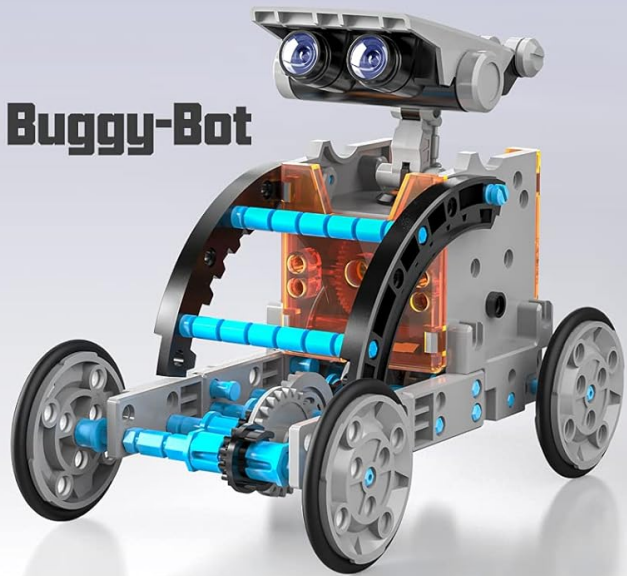


Image: Examples of different robot designs, the Row-Bot and Buggy-Bot, illustrating the versatility of the kit.

OPERATING INSTRUCTIONS

The CIRO Solar Robot Kit is powered entirely by sunlight. The solar panel converts light energy into electrical energy, which then drives the robot's motor. No batteries are required for operation.

Solar Power Operation:

- For optimal performance, operate your solar robot outdoors on a sunny day.
- Ensure the solar panel is directly exposed to bright sunlight. Cloudy conditions or indoor lighting may not provide sufficient power for the robot to move.
- The robot's movement speed and efficiency will vary depending on the intensity of the sunlight.

Robot Modes:

Each of the 12 robot designs has unique movement capabilities. Some robots are designed for land, while others, like the Surf-Bot and Row-Bot, can glide on water.

- Refer to the instruction manual for specific operating details and movement patterns for each robot model.
- Experiment with different surfaces and light conditions to observe how your robots perform.



Image: Visual explanation of the solar power mechanism, from sunlight to robot movement.



Glide On The Water

Make sail! Skim the waves, sprint to the future! — From Surf Bot & Row Bot

Adopting Leading-edge Technology

Real working solar-powered engine. The robot kit includes a solar panel that powers the positive and negative cables. No Battery Needed - These science kits can move freely wherever there is light source. For best results: use the solar robot kit outdoors on a sunny day.




Image: Children enjoying the robots on both land and water, showcasing the diverse play options.

MAINTENANCE

- **Cleaning:** Wipe down the robot parts with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Solar Panel Care:** Keep the solar panel clean and free of dust or debris to ensure maximum light absorption and efficient operation.
- **Storage:** When not in use, store the robot and its components in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, you may disassemble the robot to prevent dust accumulation and maintain part integrity.

- **Inspection:** Periodically check for any loose or damaged parts. Replace any broken components to ensure safe and proper function.

TROUBLESHOOTING

- **Robot Not Moving:**

- Ensure the solar panel is exposed to direct, bright sunlight. Indoor lighting or cloudy conditions are often insufficient.
- Check all wire connections to the solar panel and motor. Ensure they are secure and correctly connected (red to positive, black to negative).
- Verify that all gears are properly aligned and moving freely without obstruction.

- **Parts Not Fitting/Loose:**

- Double-check the instruction manual to ensure you are using the correct pieces for the current step and that they are oriented correctly.
- Some pieces may require a gentle push to snap into place. Avoid excessive force.

- **Missing Pieces:**

- Carefully check all packaging materials. Small pieces can sometimes be overlooked.
- If a piece is genuinely missing, contact CIRO customer support for assistance.




SPECIFICATIONS

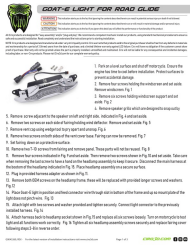
Feature	Detail
Product Dimensions	10 x 8 x 2 inches
Item Weight	15.2 ounces
Item Model Number	658126940740
Manufacturer Recommended Age	8 - 12 years
Number of Pieces	190
Power Source	Solar Powered (No Batteries Needed)
Release Date	September 15, 2021
Manufacturer	CIRO

WARRANTY AND SUPPORT

For specific warranty information and customer support, please refer to the official CİRO website or contact their customer service department directly. Details can typically be found on the product packaging or the manufacturer's official online channels.

Related Documents - 658126940740

	<p>Cıro Shock & Awe 2.0 Controller Kit: Motorcycle Lighting Control</p> <p>Discover the Cıro Shock & Awe 2.0 Controller Kit for motorcycles. This guide details installation and operation, enabling Bluetooth control of lighting with customizable colors and effects via a smartphone app.</p>
	<p>Cıro Goldstrike 3-Way Adjustable Highway Peg Mounts Installation Guide</p> <p>Detailed installation instructions for the Cıro Goldstrike 3-Way Adjustable Highway Peg Mounts, including parts list, warnings, and step-by-step assembly guidance for motorcycles.</p>
	<p>Cıro Chicane™ Passenger Floorboard Inserts Installation Guide and Product Information</p> <p>Detailed installation instructions and product warranty information for Cıro Chicane™ Passenger Floorboard Inserts. Learn how to easily install these motorcycle accessories and understand their warranty coverage.</p>



Ciro GOAT-E Light for Road Glide Installation Instructions

Detailed installation guide for the Ciro GOAT-E Light for Road Glide motorcycles, including safety warnings, step-by-step instructions, and product information.



Ciro Passenger Drink Holder Mount for Indian - Installation Guide

Step-by-step installation guide for the Ciro Passenger Drink Holder Mount designed for Indian motorcycles. Includes safety warnings, product warranty information, and detailed instructions with visual references.



Ciro Wiring Adapter for Indian Motorcycle Installation Guide

Step-by-step installation instructions for the Ciro Wiring Adapter for Indian Motorcycles. Learn how to safely and easily install this accessory for your bike, including important safety warnings and warranty information.