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› Discovery Kids Build Your Own Robot Kit Instruction Manual

Discovery Kids B014I55NBI

Discovery Kids Build Your Own Robot Kit Instruction Manual

Model: B014I55NBI

INTRODUCTION

The Discovery Kids Build Your Own Robot Kit provides an engaging construction experience using real metal pieces and tools. This kit is designed to foster creativity and develop three-dimensional thinking skills through hands-on assembly. It includes all necessary components and instructions to build a functional robot model with rolling wheels and hinged arms.

SAFETY INFORMATION

- **Age Recommendation:** This kit contains small parts and is suitable for ages 8 years and up. Adult supervision is recommended for younger users.
- **Small Parts Warning:** Keep small components away from children under 3 years of age to prevent choking hazards.
- **Tool Use:** The kit includes real metal tools (wrench and screwdriver). Use these tools carefully and as instructed. Do not use excessive force.
- **Sharp Edges:** Some metal pieces may have small burrs or sharp edges. Handle all parts with care to avoid injury.
- **Disposal:** Dispose of packaging materials responsibly.

PACKAGE CONTENTS



Image: The product box for the Discovery Kids Build Your Own Robot Kit. It displays the fully assembled robot model, highlights that it includes real metal pieces and tools, and lists the kit's contents.

Verify that all the following items are present in your kit:

- 91 Model pieces (various metal components, nuts, bolts, wheels, etc.)
- 1 Wrench
- 1 Screwdriver
- 1 Instruction manual (this document)

ASSEMBLY INSTRUCTIONS

This kit is designed for straightforward assembly. Follow the detailed, step-by-step instructions provided in the included physical manual. The assembly process involves connecting various metal pieces using the provided nuts, bolts, wrench, and screwdriver.

1. **Preparation:** Unpack all components and lay them out on a clean, flat surface. Familiarize yourself with the different types of metal pieces, nuts, and bolts.
2. **Tool Identification:** Identify the included wrench and screwdriver. These are essential for securing the connections.
3. **Step-by-Step Guide:** Refer to the separate instruction manual for visual diagrams and sequential steps for building your robot. Each step will guide you on which pieces to connect and how to use the tools to tighten them securely.
4. **Secure Connections:** Ensure all nuts and bolts are tightened firmly but do not overtighten, which could strip threads or damage components.

- 5. **Functionality Check:** As you progress, periodically check that moving parts, such as wheels and hinged arms, can move freely as intended.
- 6. **Completion:** Once all steps are completed, verify that your robot model is stable and all parts are securely attached.

Note: The individual parts are quite small. Patience and careful handling are key during assembly.

OPERATING THE ROBOT

The Discovery Kids Build Your Own Robot Kit results in a static model with mechanical movement features. This robot does not require batteries or external power sources.

- **Manual Movement:** The robot features rolling wheels and hinged arms. These can be moved manually to pose the robot or simulate movement.
- **Display:** The assembled robot is ideal for display, showcasing the intricate metal construction.
- **Educational Play:** Encourage imaginative play and exploration of basic mechanical principles.

MAINTENANCE

Proper care will ensure the longevity of your robot model.

- **Cleaning:** Wipe the metal parts with a dry, soft cloth to remove dust. Avoid using abrasive cleaners or solvents, which may damage the finish.
- **Storage:** Store the assembled robot or disassembled parts in a dry environment to prevent rust or corrosion.
- **Loose Connections:** Periodically check all nuts and bolts for tightness. Re-tighten any loose connections using the provided tools to maintain the robot's structural integrity.

TROUBLESHOOTING

If you encounter issues during assembly or with the completed model, consider the following:

- **Missing Parts:** Double-check the packaging and work area for any small pieces that may have been overlooked. Refer to the package contents list.
- **Difficulty Assembling:** Ensure you are following the instruction manual precisely. Some steps may require careful alignment of small parts. If a connection feels forced, re-examine the diagram.
- **Loose or Wobbly Parts:** Re-tighten all nuts and bolts. Ensure that the correct size bolts and nuts are used for each connection as indicated in the manual.
- **Stuck Moving Parts:** If wheels or hinged arms do not move freely, check for overtightened connections or misaligned parts. Loosen slightly and re-adjust if necessary.

SPECIFICATIONS

Feature	Detail
Product Dimensions	11.1 x 8.1 x 1.8 inches
Item Weight	9.6 ounces

Feature	Detail
ASIN	B014I55NBI
Manufacturer Recommended Age	8 years and up
Manufacturer	RMS International Inc.
Number of Pieces	91

WARRANTY AND SUPPORT

This product is covered by the standard manufacturer's warranty. For specific warranty details, please refer to the documentation included in your product packaging or contact RMS International Inc. customer support. For technical assistance, missing parts, or other inquiries, please contact the manufacturer directly. Contact information can typically be found on the product packaging or their official website.

DISCOVERY FACT: ABOUT ROBOTS

A robot is a machine that can work automatically or can be controlled with a computer. Robots are utilized in various fields today, including tasks that are dangerous, repetitive, or too intricate for human execution. They are commonly found in hospitals, schools, military operations, underwater exploration, and even space missions.

EXPLORE MORE DISCOVERY KIDS PRODUCTS

Discovery Kids offers a range of exciting build-your-own kits to inspire curiosity and learning. Look for other products such as:

Build Your Own Helicopter Kit

Build Your Own Motorcycle Kit

For more fun and educational games, visit [DiscoveryKids.com](https://www.discoverykids.com).