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› **Discovery DIY Prize-Pod Robot Kit Instruction Manual, Model 1423015841**

## Discovery 1423015841

# Discovery DIY Prize-Pod Robot Kit Instruction Manual

MODEL: 1423015841

Brand: Discovery

## INTRODUCTION

This manual provides detailed instructions for assembling and operating your Discovery DIY Prize-Pod Robot Kit. This 52-piece building set allows you to construct a retro-style vending machine robot and assemble 12 transforming mini robots from surprise capsules. Designed to engage users aged 8 and up, this kit offers a hands-on experience in mechanical engineering and STEM principles.



Figure 1: The fully assembled Discovery DIY Prize-Pod Robot Kit, showcasing the main robot, mini robots, and prize capsules.

## Safety Information

- **Age Recommendation:** This kit is recommended for ages 8 and up. Adult supervision is advised for younger users.
- **Small Parts Warning:** The kit contains small parts which may pose a choking hazard for children under 3 years of age. Keep all components out of reach of infants and toddlers.
- **Proper Use:** Use the product only as intended. Do not modify or attempt to force parts together.
- **Disposal:** Dispose of packaging materials responsibly.

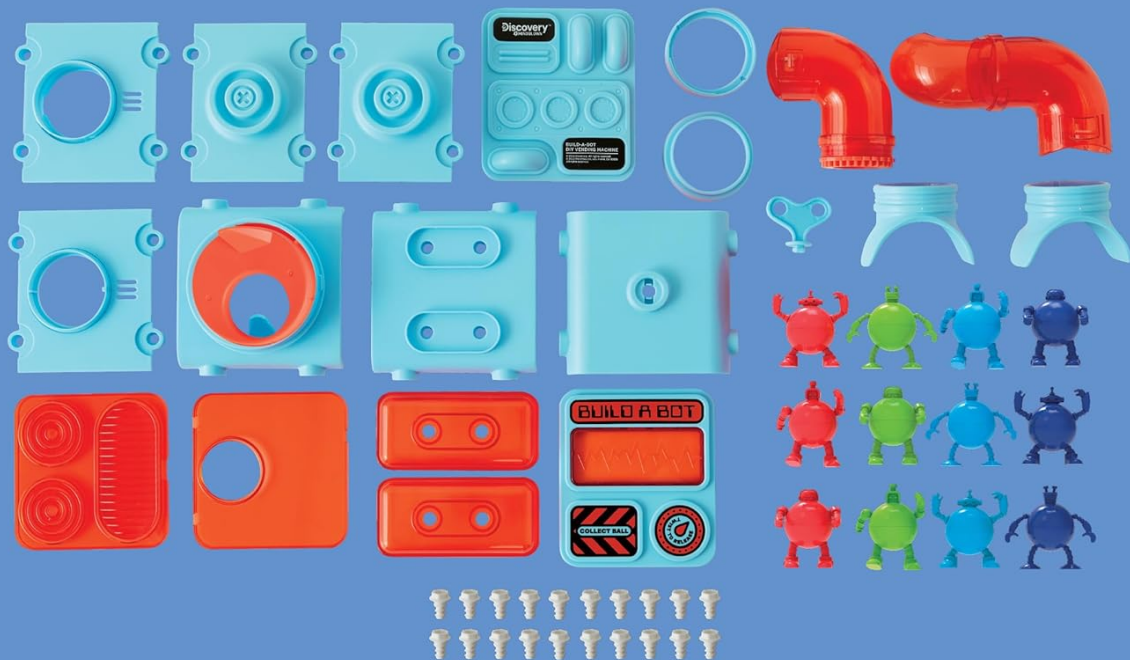
## Package Contents

Before beginning assembly, please verify that all components listed below are present in your kit:



# DIY PRIZE-POD ROBOT

52-PIECE RETRO VENDING MACHINE BUILD KIT



## KIT CONTAINS:

- 1 X FACE PLATE
- 1 X BACK HEAD PLATE
- 1 X TOP HEAD PLATE
- 2 X SIDE HEAD PLATES
- 1 X FRONT BODY PLATE

- 1 X BACK BODY PLATE
- 2 X SIDE BODY PLATES
- 1 X CAPSULE CONVEYER GEAR
- 1 X BOTTOM BODY PLATE
- 2 X FEET

- 1 X LEFT ARM
- 1 X RIGHT ARM
- 2 X ARM HOLDERS
- 1 X LEFT HAND
- 1 X RIGHT HAND

- 20 X BOLTS
- 12 X MINI ROBOT CAPSULES (5 PIECES EA.)
- 1 X WRENCH

Figure 2: All 52 pieces of the kit, including robot body parts, arms, feet, bolts, wrench, and 12 mini robot capsules.

- 1 x Face Plate
- 1 x Back Head Plate
- 1 x Top Head Plate
- 2 x Side Head Plates
- 1 x Front Body Plate
- 1 x Back Body Plate
- 2 x Side Body Plates
- 1 x Capsule Conveyer Gear
- 1 x Bottom Body Plate
- 2 x Feet
- 1 x Left Arm
- 1 x Right Arm
- 2 x Arm Holders
- 1 x Left Hand



- 1 x Right Hand
- 20 x Bolts
- 12 x Mini Robot Capsules (5 pieces each)
- 1 x Wrench

## ASSEMBLY INSTRUCTIONS

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### 1. Assembling the Main Robot Vending Machine

1. Begin by connecting the main body plates using the provided bolts and wrench. Ensure all connections are secure.
2. Attach the head plates to form the robot's head, making sure the transparent red face plate is correctly oriented.
3. Install the capsule conveyer gear mechanism within the robot's body.
4. Attach the arms and hands to the side body plates. The arms are designed to twist for dispensing.
5. Secure the bottom body plate and the two feet to complete the main robot structure.



Figure 3: A child carefully assembling the central body of the robot vending machine.

## 2. Assembling the Mini Robot Capsules

1. Each of the 12 capsules contains 5 pieces for a mini robot. Open a capsule to reveal the parts.
2. Assemble the small robot pieces according to the instructions provided on the capsule packaging or by following the visual guide.
3. Once assembled, the mini robot can be placed back into its capsule, or you can fill the empty capsules with other small treats or toys.



## HANDS-ON LEARNING

Engineer your own working vending machine, complete with 12 fun-filled surprise capsules. Plus, you can see through the robot's body for inside look. It's the fun way to learn about engineering and physics in action!

**BUILD A  
ROBOT  
VENDING  
MACHINE**

Figure 4: Close-up of hands assembling a colorful mini robot from the small parts found inside a prize capsule.

## Assembly Video Guide

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Video 1: Official seller video demonstrating the assembly process of the DIY Prize-Pod Robot and its features.

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## OPERATING INSTRUCTIONS

### 1. Loading Capsules

1. Locate the opening at the top-back of the robot's head.
2. Carefully insert the assembled mini robot capsules (or other small items) into this opening. The transparent head allows you to see the capsules inside.



Figure 5: A child loading colorful prize capsules into the transparent head of the robot vending machine.

### 2. Dispensing a Prize

1. To dispense a capsule, firmly grasp one of the robot's arms.
2. Twist the arm in a circular motion. This action activates the internal conveyer gear.
3. A capsule will be released from the robot's dispensing chute.



Figure 6: A hand demonstrating the twisting motion of the robot's arm to release a prize capsule.

## Operation Video Guide

Your browser does not support the video tag.

Video 3: A short user video demonstrating the robot's prize dispensing mechanism in action.

Your browser does not support the video tag.

Video 4: User video showing the loading and dispensing of capsules from the robot vending machine.

## MAINTENANCE

- **Cleaning:** Wipe the robot and capsules with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- **Storage:** Store the kit in a cool, dry place away from direct sunlight when not in use. Keep small parts organized to prevent loss.

## TROUBLESHOOTING

- **Capsules not dispensing:** Ensure the capsules are loaded correctly and not jammed. Gently twist the arm multiple times. Check for any obstructions in the dispensing chute.
- **Parts not fitting:** Refer to the assembly instructions and diagrams. Ensure you are using the correct parts and orienting them as shown. Do not force parts together.
- **Missing parts:** If any parts are missing upon opening the kit, please contact customer support.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	4.5 x 13 x 13 inches
Item Weight	2.65 pounds
ASIN	B0CFWRPSCJ
Item Model Number	1423015841
Manufacturer Recommended Age	8 years and up
Manufacturer	Merchsource
Release Date	August 16, 2023


## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided on the product packaging or visit the official Discovery website. Keep your purchase receipt as proof of purchase.



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### Related Documents - 1423015841

	<p><a href="#">Discovery Extreme Chemistry Science Kit: Experiments and Instructions</a></p> <p>Detailed instructions and experiment guides for the Discovery Extreme Chemistry STEM Science Kit. Learn about chemical reactions, acids, bases, and more with 40 fun activities for ages 8+.</p>
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	<p><a href="#">Discovery Scope Set 2 Microscope and Telescope User Manual</a></p> <p>Comprehensive user manual for the Discovery Scope Set 2, including instructions for use, care, maintenance, and specifications for both the microscope and telescope. Features multilingual content and detailed guidance.</p>
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	<p><a href="#">Discovery Crystal Aquarium Kit: Instructions and Growing Guide</a></p> <p>Step-by-step instructions for the Discovery Crystal Aquarium Kit. Learn how to set up, grow crystals, and safely conduct this fun science experiment for ages 12+.</p>
	<p><a href="#">Discovery 450x Power Student Microscope Instruction Manual</a></p> <p>Instruction manual for the Discovery 450x Power Student Microscope (Model 44-50450), detailing its parts, setup, operation, observation techniques, troubleshooting, cleaning, and safety guidelines for biological experiments.</p>