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› HEXBUG VEX Robotics Steam Roller Model 406-7184 Instruction Manual

HEXBUG 406-7184

HEXBUG VEX Robotics Steam Roller

MODEL: 406-7184 INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your HEXBUG VEX Robotics Steam Roller, Model 406-7184. This construction toy utilizes the STEM-based VEX IQ construction system, offering an engaging building experience with over 100 parts. Please read this manual thoroughly before beginning assembly or operation to ensure proper use and longevity of the product.



Figure 1.1: Assembled HEXBUG VEX Robotics Steam Roller.

2. Package Contents

Verify that all components are present in the package before starting assembly. The HEXBUG VEX Robotics Steam Roller kit includes:

- Over 100 construction parts
- 1 construction mini-figure
- Step-by-step instruction manual
- STEM experiment guide
- Parent sheet



Figure 2.1: Product packaging indicating included parts and features.

3. Assembly Instructions

The HEXBUG VEX Robotics Steam Roller is designed for self-assembly. Follow the included step-by-step instructions carefully to construct the model. Ensure all connections are secure for proper functionality.

1. **Unpack Components:** Carefully remove all parts from the packaging and organize them. Refer to the parts list in the included instruction booklet to identify each piece.
2. **Follow Step-by-Step Guide:** Use the provided detailed instruction manual to assemble the steam roller. Each step will guide you through connecting the various construction pieces.
3. **Assemble Mini-Figure:** Construct the VEX mini-figure worker and place it in the control seat once the main vehicle body is complete.
4. **Verify Connections:** After assembly, check all connections to ensure they are firm and correctly aligned. This will ensure the active steering and rolling drum function as intended.

The construction process is an integral part of the STEM learning experience. Take your time and enjoy building your steam roller.

4. Operation

The VEX Robotics Steam Roller is a hand-powered construction toy. It does not require external power for its primary functions. The mini-figure may require AG13/LR44 batteries for any integrated features (e.g., lights or sounds, if applicable).

- **Rolling Drum:** The large front drum is designed to roll smoothly across surfaces. Push the steam roller forward to engage the drum.
- **Active Steering:** The steam roller features active steering capabilities. Guide the vehicle by hand to maneuver it in different directions.
- **Mini-Figure Control Seat:** The included mini-figure can be placed in the control seat, enhancing the play experience.



Figure 4.1: Front view of the Steam Roller, showing the rolling drum.

5. Maintenance

To ensure the longevity and proper function of your HEXBUG VEX Robotics Steam Roller, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the toy with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the steam roller in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect all parts for any signs of wear or damage. Replace any broken or worn-out components if necessary.

6. Troubleshooting

If you encounter any issues with your HEXBUG VEX Robotics Steam Roller, consider the following:

- **Parts Not Fitting:** Ensure you are using the correct parts for each step as indicated in the instruction manual. Some pieces may appear similar but have subtle differences.
- **Movement Issues:** Check that all connections are secure and that no parts are obstructing the movement of the wheels or rolling drum. Ensure no debris is caught in moving parts.
- **Missing Parts:** If you believe a part is missing, carefully re-check the packaging and the parts list. If still missing, contact customer support.

7. Specifications

Feature	Detail
Model Number	406-7184
Product Dimensions	7.1 x 2.6 x 10 inches
Item Weight	12.3 ounces
Recommended Age	8 years and up
Number of Parts	Over 100
Power Source	Hand-powered (Mini-figure may use AG13/LR44 batteries)

8. Safety Information

The HEXBUG VEX Robotics Steam Roller is compliant with CPSIA standards. Please observe the following safety guidelines:

- **Age Recommendation:** This product is recommended for ages 8 years and up. It contains small parts that may pose a choking hazard for younger children.
- **Adult Supervision:** Adult supervision is recommended during assembly and play, especially for younger users.
- **Battery Safety:** If the mini-figure or any other component uses batteries (AG13/LR44), ensure they are inserted correctly with the proper polarity. Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly.
- **Avoid Misuse:** Do not modify the product or use it for purposes other than its intended design.

9. Warranty and Support

For warranty information, technical support, or to inquire about replacement parts, please contact HEXBUG customer service. Refer to the product packaging or the official HEXBUG website for the most current contact details.

Online Resources: Visit the official HEXBUG website for additional resources, FAQs, and product updates.

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