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Aolew J-7786

Aolew J-7786 Motorized STEM Building Kit Instruction Manual

Model: J-7786 | Brand: Aolew

1. Product Overview

The Aolew J-7786 Motorized STEM Building Kit is a 107-piece construction set designed to engage children in creative engineering and learning activities. This kit allows for the construction of 10 different motorized models, including robots, helicopters, planes, cars, and trucks. It is intended to enhance science, technology, engineering, and mathematics skills through hands-on play.



Image 1.1: Overview of the Aolew J-7786 Motorized STEM Building Kit with various models.

2. Package Contents

Upon opening the package, verify that all the following components are present:

- 107 Building Parts (including electric power motor, blocks, movable wheels, nuts, bolts)
- 1 Wrench
- 1 Screwdriver
- 1 Instruction Manual
- 1 Sturdy Storage Box

3. Safety Information

Adherence to safety guidelines is crucial during assembly and play. This product is designed with safety in mind, utilizing materials that meet specific standards.

- **Material Safety:** Components are made from ABS plastic and Thermoplastic Rubber (TPR), which are non-toxic, lead-free, BPA-free, and phthalate-free.
- **Age Recommendation:** Suitable for ages 4-16 years. Adult supervision is recommended for younger children, especially during initial assembly.
- **Choking Hazard:** Contains small parts. Not suitable for children under 3 years due to potential choking hazards.
- **Motor Unit:** The electric motor unit is not waterproof. Avoid exposure to water or other liquids.



Image 3.1: Safety certifications for the Aolew J-7786 building kit.

4. Assembly Instructions

The kit includes a full-color instruction manual with step-by-step guidance for building various models. Please refer to this manual for detailed assembly procedures for each of the 10 available designs.

1. **Preparation:** Unpack all components and organize them. Identify the specific model you wish to build.
2. **Follow Manual:** Refer to the included instruction manual for the chosen model. Each step is illustrated to guide the assembly process.

3. **Tool Usage:** Use the provided wrench and screwdriver to secure nuts and bolts. Ensure all connections are firm but do not overtighten.
4. **Motor Integration:** When instructed, carefully integrate the electric motor into the model. Ensure proper alignment and connection as per the manual.
5. **Battery Installation:** Install the required batteries (not included) into the motor unit. Ensure correct polarity.

Note: *Only one model can be built at a time using the provided parts.*



Image 4.1: The Aolew J-7786 kit is suitable for various age groups, promoting learning and engagement.

5. Operating Instructions

Once a model is fully assembled and batteries are installed in the motor unit, it is ready for operation.

- **Power On:** Locate the power switch on the electric motor unit and switch it to the 'ON' position.
- **Movement:** Observe the model's movement. The electric motor provides propulsion or activates specific functions depending on the model built.
- **Power Off:** When play is complete, switch the motor unit to the 'OFF' position to conserve battery life.
- **Battery Replacement:** If the model's movement becomes sluggish, replace the batteries in the motor unit.

6. Maintenance

Proper care and maintenance will ensure the longevity of your Aolew J-7786 building kit.

- **Cleaning:** Most plastic pieces are waterproof and can be cleaned with a damp cloth. Do not immerse the electric motor in water.
- **Storage:** After use, disassemble the models and store all parts in the provided sturdy storage box to prevent loss and damage.
- **Battery Care:** Remove batteries from the motor unit if the toy will not be used for an extended period to prevent leakage.

7. Troubleshooting

If you encounter any issues with your Aolew J-7786 kit, consider the following troubleshooting steps:

- **Model Not Moving:**
  - Check if batteries are correctly installed in the motor unit with the correct polarity.
  - Ensure batteries are fresh and not depleted.
  - Verify that the motor's power switch is in the 'ON' position.
  - Inspect all connections in the model to ensure they are securely fastened and not obstructing movement.
- **Parts Missing:**
  - Carefully check the storage box and surrounding area for any small parts.
  - Refer to the package contents list to confirm if a part is genuinely missing.
- **Difficulty Assembling:**
  - Review the instruction manual carefully, paying close attention to the diagrams for each step.
  - Ensure you are using the correct parts for each step as indicated in the manual.
  - For younger children, adult assistance may be required for complex steps.

8. Specifications

Feature	Detail
Product Dimensions	10.2 x 7.5 x 5.7 inches
Item Weight	2.05 pounds
Item Model Number	J-7786
Manufacturer Recommended Age	4 - 16 years
Number of Pieces	107
Material	ABS Plastic, Thermoplastic Rubber (TPR)

9. Warranty and Support

Aolew provides a worry-free warranty for this product. For any questions, concerns, or assistance, please contact

our customer service team.

- **Customer Service:** Available 24/7 for friendly support. Refer to the product packaging or the retailer's website for specific contact information.
- **Warranty Claims:** Keep your proof of purchase for any warranty-related inquiries.

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