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› 4M Kidzrobotix Motorized Robot Hand Kids Science Kit Instruction Manual

Toysmith 4073

4M Kidzrobotix Motorized Robot Hand Instruction Manual

Model: 4073 | Brand: Toysmith

Keywords: 4M, Kidzrobotix, Motorized, Robot, Hand, Kids, Science, Kit

PRODUCT OVERVIEW

The 4M Kidzrobotix Motorized Robot Hand is an educational science kit designed to teach children about robotics and anatomy. This interactive toy allows users to assemble a robotic hand that can tap out tunes and beats, providing a hands-on learning experience in science, technology, engineering, and mathematics (STEM).



Image: Front packaging of the 4M Kidzrobotix Motorized Robot Hand kit.

Safety Information

WARNING: CHOKING HAZARD. Small parts. Not for children under 3 years.

Adult supervision is recommended during assembly and operation.

What's in the Box

The kit includes 18 different parts required to assemble the motorized robotic hand. Please ensure all components are present before beginning assembly.

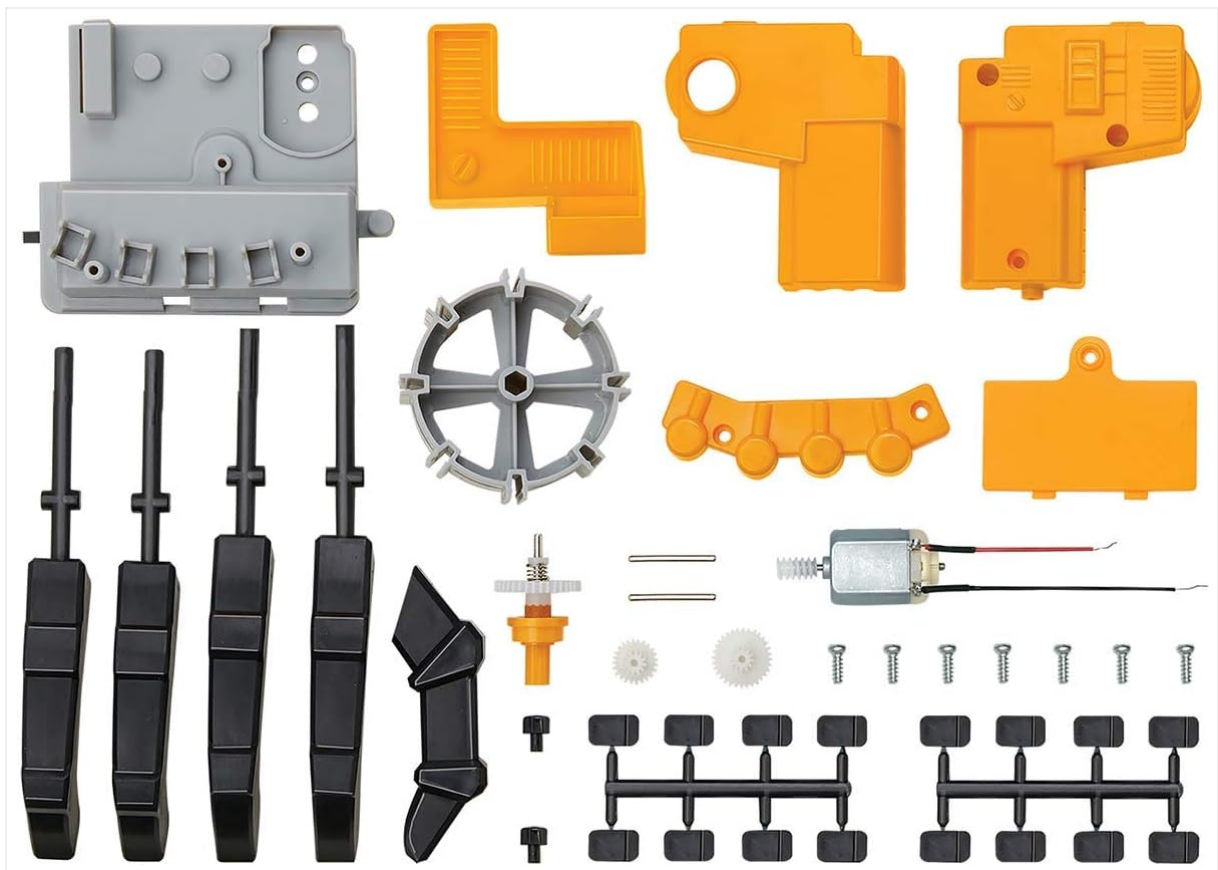


Image: All 18 components of the kit, including the motor, gears, hand parts, and screws.

SETUP AND ASSEMBLY

Follow these steps to assemble your Motorized Robot Hand. A small cross-head (Phillips) screwdriver and two AAA batteries are required but not included in the kit.

1. **Prepare the Motor Unit:** Insert the motor and gears into the designated orange casing. Secure the casing with screws.



Image: Detailed view of motor and gear assembly.

2. **Connect Wiring:** Attach the motor unit to the main body of the robot hand, ensuring the wires are correctly connected to the battery compartment.
3. **Assemble Fingers:** Carefully attach each of the five fingers to the main hand structure. Ensure they are aligned correctly for proper movement.



Image: Side view of the fully assembled robot hand.

4. **Install Batteries:** Open the battery compartment and insert two AAA batteries, observing the correct polarity (+/-). Close the compartment securely.



Image: A child engaging with the robot hand, demonstrating its interactive nature.

For detailed visual instructions, please refer to the official assembly video below.

Your browser does not support the video tag.

Video: Official assembly guide for the 4M Kidzrobotix Motorized Robot Hand. This video demonstrates step-by-step instructions for putting the robot hand together, from motor installation to finger attachment and battery insertion.

OPERATING INSTRUCTIONS

Once assembled and batteries are installed, switch the robot hand ON. The motorized mechanism will activate, causing the fingers to tap rhythmically. Experiment with different surfaces to observe variations in sound and movement.



Image: A child actively assembling the robot hand, highlighting the hands-on nature of the kit.

MAINTENANCE

- Keep the robot hand clean and free from dust. Wipe with a dry cloth.
- If the robot hand is not in use for an extended period, remove the batteries to prevent leakage.
- Avoid exposing the product to water or extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot hand does not move.	◦ Batteries are dead or incorrectly installed. ◦ Wires are loose or disconnected. ◦ Gears are jammed.	◦ Replace batteries or ensure correct polarity. ◦ Check all wire connections and re-secure if necessary. ◦ Inspect gears for obstructions and clear them.
Fingers are not tapping correctly.	◦ Fingers are not properly attached. ◦ Mechanism is obstructed.	◦ Re-attach fingers, ensuring they are securely in place. ◦ Check for any foreign objects hindering finger movement.

SPECIFICATIONS

- **Product Dimensions:** 9 x 6 x 2 inches
- **Item Weight:** 8.4 ounces
- **Model Number:** 4073
- **Manufacturer:** 4M
- **Recommended Age:** 8 years and up
- **Batteries Required:** 2 x AAA (not included)

ADDITIONAL RESOURCES

For further information and support, please visit the official 4M website or refer to the PDF user manual.

- [Official 4M Website](#)
- [User Manual \(PDF\)](#)



Image: The STEM.org Authenticated Educational Product logo, indicating the kit's educational value.