

- 13. You can add the template card to decorate your water tap as a World Water Day decoration or as science fair project about preservation of water.
- 14. You can take out the water tap and place another template card on the water tap head to make a different water tap model. A rocket template is included in the kit. Replace the water tap with the rocket and watch the rocket launching with water pouring from its engine! Have fun creating your own card templates to make fun room decorations.

E. HOW DOES IT WORK?

The batteries operate the motor inside the motor module, which turns a small water pump. The pump pumps water from the water container and into the transparent tube leading to the tap. The water comes out of the tap and pours back into the water container. The water flows around and around continuously. The water falling from the tap hides the transparent pipe, so it looks as though the tap is floating in mid air. It looks like magic!

There's a magnet hidden in the tap that attracts the metal ball chain causing it to move upwards toward the tap. The illusion of levitation is created by using a chain that's too short to reach the tap but is close enough to be held by the magnet in the tap.

F. TROUBLESHOOTING

If the water does not flow:

- Check that the batteries are fresh and inserted the correct way round in the battery compartment.
- Check that you have connected the wires between the motor and battery correctly.
- Check that there is enough water in the water container.

Air may get trapped inside the tube and disrupt the flow of water:

- \bullet Remove the trapped air by quickly turning the tap on and off a few times.
- Alternatively you can pour water inside the transparent tube by removing the tap head temporarily.
- Avoid spilling the water into the battery case and motor cabinet. If this does happen, unscrew all the covers and let everything dry out. (blow it with a hair dryer to speed up the drying)

G. FUN FACTS

- The water pump inside the Magic Water Tap has a tiny fan-shaped blade called an impeller. When the impeller spins it pushes water into the pipe that leads to the tap.
- Water comes out of a tap because of a push called water pressure. The pump in the Magic Water Tap creates water pressure that pushes the water into the pipe leading to the tap.
- The water that flows from the tap clings to the transparent pipe as it falls, which helps to hide the pipe. The force that makes the water stick to the pipe is called adhesion.
- About one in five people in the world live without access to clean water at home.
- In total, women in Africa spend 40 billion hours every year walking to fetch clean water.
- A clean water supply to all homes could save up to a million lives every year.
- Global warming means that droughts are likely to be more common and more severe.
- Many charities around the world are working to bring clean water to everyone.
- Some street magicians appear to be suspended in the air, just like the Magic Water Tap. They are held up by a metal pole on a stand that hidden by a cloak or some other disguise.
- Water fountains, fish tanks and swimming pools all have pumps that pump water around and around just like the pump in the Magic Water Tap.

☆ H. QUESTION AND COMMENTS

We treasure you as a customer and your satisfaction with this product is important to us. In case you have any comments or questions, or you find any parts of this kit missing or defective, please do not hesitate to contact our distributor in your country, whose address is printed on the package. You are also welcome to contact our marketing support team at Email: infodesk@4M-IND.com, Fax (852) 25911566, Tel (852) 28936241, Web site: WWW.4M-PIND.COM

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MAGIC WATER TAP



WARNING:

CHOKING HAZARD - Small parts. Not for children under 3 years.

D PARENTS: PLEASE READ THROUGH THESE ISTRUCTIONS BEFORE PROVIDING GUIDANCE D YOUR CHILDREN.

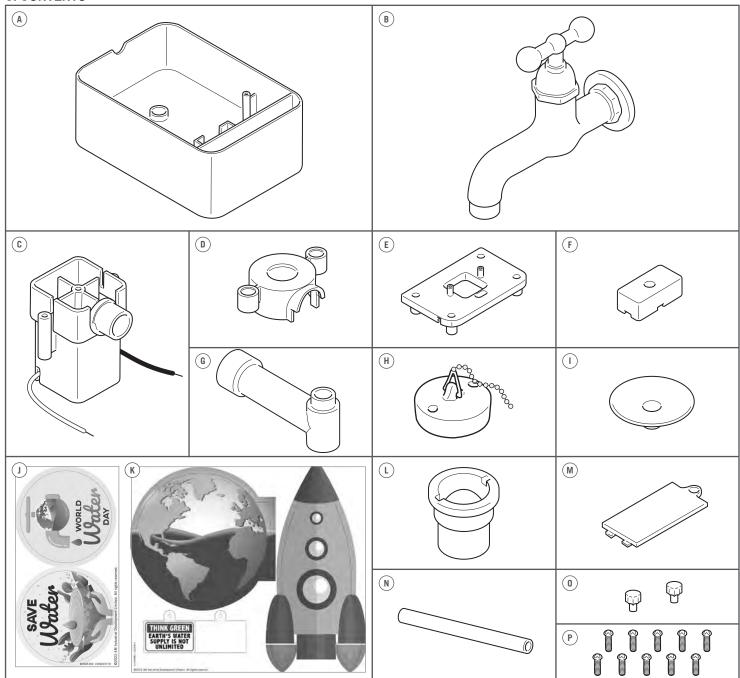
A. SAFETY MESSAGES

1. Please read through all the instructions and keep them since they contain important information. 2. Adult assistance and supervision are required. 3. This kit is intended for children 8 years or older. 4. This kit and its finished product contain small parts which may cause choking if misused. Keep away from children under 3 years old. 5. To prevent possible short circuits, never touch the contacts inside the battery case with any metal. 6. Only install batteries after the kit is assembled. Adult supervision is required.

B. USE OF BATTERIES

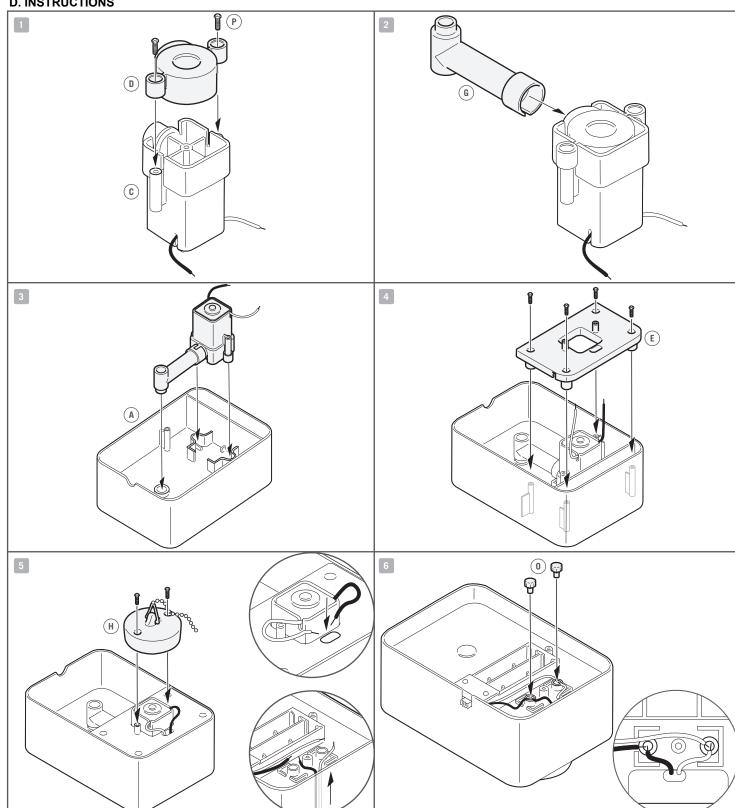
1. Requires two 1.5V AAA batteries (not included). 2. For best results, always use fresh batteries. 3. Make sure you insert the batteries with the correct polarities. 4. Remove the batteries from the kit when not in use. 5. Replace exhausted batteries straight away to avoid possible damage to the kit. 6. Rechargeable batteries must be removed from the kit before recharging. 7. Rechargeable batteries must be recharged under adult supervision. 8. Make sure that the supply terminals in the battery case are not short circuited. 9. Do not attempt to recharge non-rechargeable batteries. 10. Do not mix old and new batteries. 11. Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.

C. CONTENTS

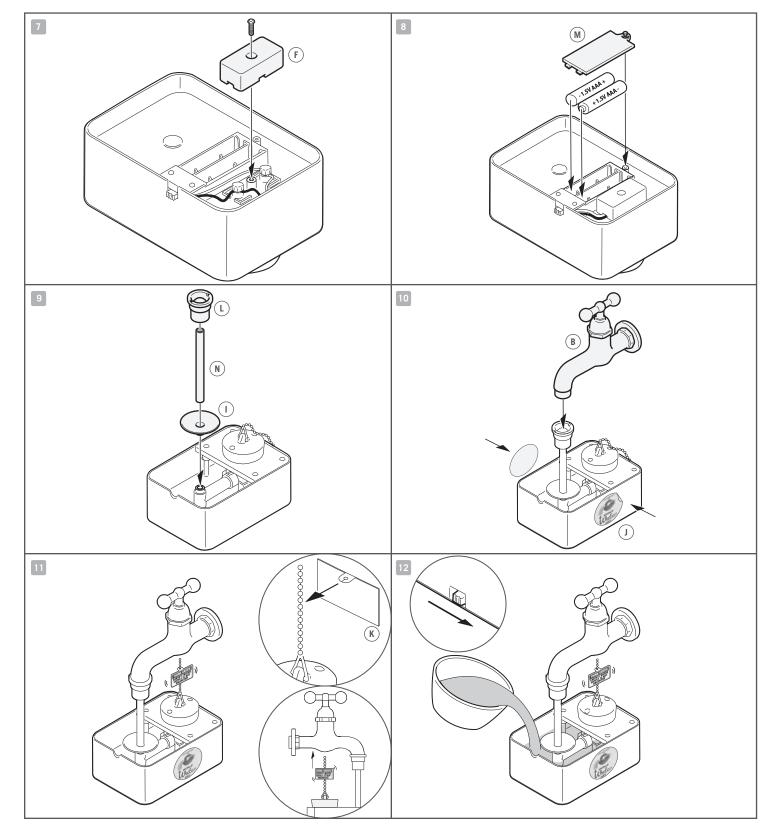


Part A: Water container, Part B: Water tap, Part C: Motor module, Part D: Blade cover, Part E: Container cover, Part F: Wire cover, Part G: T tube, Part H: Plug, Part I: Disk, Part J: Sticker, Part K: Template, Part L: Tap head, Part M: Battery cover, Part N: Transparent tube, Part O: Terminal Caps x 2, Part P: Screws x 10. Also required but not included in the kit: 2 x 1.5V AAA batteries, a small crosshead screwdriver.

D. INSTRUCTIONS



- 1. Install the blade cover (part D) onto the motor module (part C) and secure it with two screws (part P).
- 2. Push the T tube (part G) onto the motor module.
- 3. Place the assembled module in the water container (part A) as shown.
- 4. Add the container cover (part E) to the water container. Make sure that the motor wires pass through the square hole in the cover. Secure the cover with four screws.
- 5. Pass the red and black wires through the small hole in the container cover so that they appear in the bottom of the container. Add the plug (part H) to the container cover and secure it with two screws.
- 6. Insert the wires into the terminals as shown and insert the terminal caps (part O) to secure the wires in place.



- 7. Add the wire cover (part F) to the underside of the container and secure it with a screw.
- 8. Install 2 AAA batteries into the battery compartment, then add the battery cover (part M) and secure it with a screw.
- 9. Install the disk (part I), transparent tube (part N) and tap head (part L) as shown.
- 10. Add the sticker (part J) to the water container. Also push the water tap onto the tap head as shown.
- 11. Fold the template (part K) and push the chain on the plug through its two holes. Then place the chain close to the bottom of the water tap. The chain will be levitated by magnetic power!
- 12. Pour some water into the water container, and switch on the water tap. Water will magically run out from the tap even though the tap doesn't have a water supply!