

13. Attach the battery case cover (G) to the battery case with 2 small screws.
14. Find a long smooth road, flip the switch to the "ON" position, and watch the Wind Racer speed away! The propeller spins at high speed when the motor is turned on. To prevent potential injuries, do not touch it with your fingers or any objects. Adult supervision is required all the times.

E. TROUBLESHOOTING
If the Wind Racer does not run smoothly:• Add cooking oil or lubricant to the long axle and the front wheel's axle.If the motor does not run or is running slowly:• Make sure the batteries are fresh.• Check if the batteries are inserted in the correct direction.• Check if all four wires are touching the correct metal terminal.If the Wind Racer moves backwards:• The propeller is turning the wrong way. Remove the terminal caps, change the wire connections to match the diagram in step 8, and reinsert the terminal caps. This will make the propeller turn in the opposite direction.If your Wind Racer does not run in a straight line:• Loosen the screws that connect the pieces, make sure the long axle is inserted evenly into the rear axle support, and then reattach the wheels.


F. HOW IT WORKS
The batteries provide electricity to the motor, which turns the propeller at a high speed. The propeller blades force air backwards. The laws of physics state that every force has an equal force that pushes in the opposite direction. This means that when the propeller pushes the air backwards, the air pushes the propeller forwards. This is the science behind how the Wind Racer moves.

G. FUN FACTS
• A propeller has blades that push air along as it spins. The blades are angled like a wedge to push the air more effectively. The blades are twisted because they move much faster at their tips than at their roots.• Propeller-powered cars are very rare. A propeller car called the Helica was made in France between 1913 and 1926, but only thirty were ever built.• In 1934, a propeller-powered car reached the dizzying speed of 137 kilometres per hour (85 miles per hour).• Hovercrafts and water-skimming crafts use huge propellers that push air (instead of propellers which push water) to generate enough energy to speed away.• Jet-powered and rocket-powered cars work in a similar way to the Wind Racer. They send out a stream of gases backwards, which push the car forwards. The world land-speed record is held by Thrust SSC, which was powered by two jet engines.

QUESTIONS & 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-IND.COM

WIND POWERED RACER

PLEASE SCAN THE QR CODE TO VIEW MULTI-LANGUAGE INSTRUCTIONS



FR. Veuillez scanner le code QR pour afficher les instructions multilingues pour ce kit. DE. Bitte scanne den QR-Code, um die mehrsprachige Anleitung für dieses Set anzusehen. NL. Scan de QR-code om de instructies voor deze set in verschillende talen te bekijken. IT. Scansiona il codice QR per visualizzare le istruzioni multi-lingua per questo kit. ES. Escanee el código QR para ver instrucciones en varios idiomas para este kit. JA. QRコードをスキャンして、本キットの多言語説明書を覧ください。

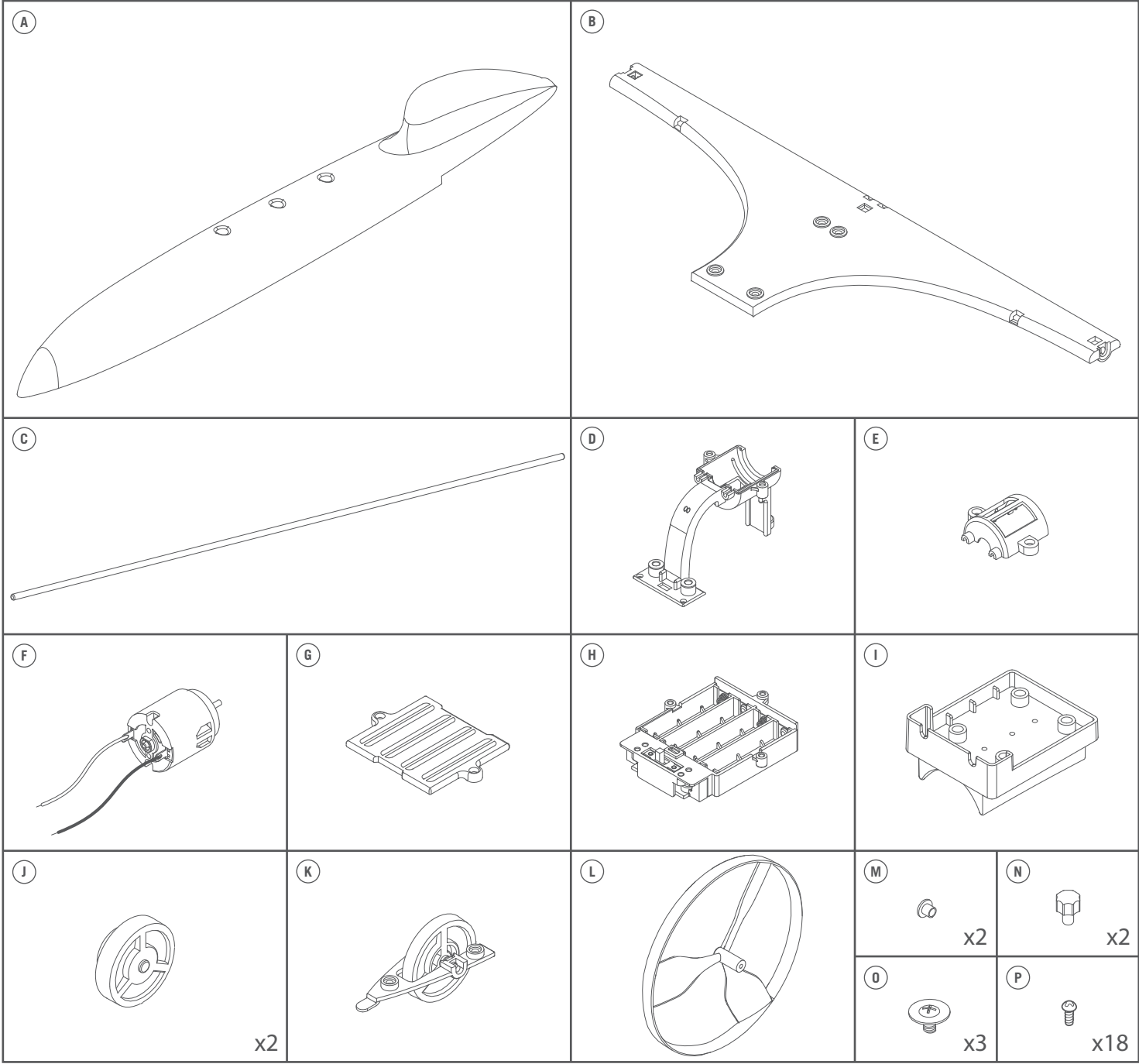
⚠ WARNING:
CHOKING HAZARD - Small parts.
Not for children under 3 years.

TO PARENTS: PLEASE READ THROUGH THESE INSTRUCTIONS BEFORE PROVIDING GUIDANCE TO YOUR CHILDREN.

A. SAFETY MESSAGES
1) This kit is intended for children aged 10 and over. All project-related assembly and operations should be done under adult supervision. 2) The propeller spins at high speed when the motor is turned on. To prevent potential injuries, do not touch it with your fingers or any objects. Adult supervision is required all the times. 3) Verify that the switch is turned off when inserting/replacing the batteries. Otherwise the propeller will spin immediately once all batteries are installed. Adult supervision is required. 4) To prevent potential short-circuits, never touch the contacts inside the battery compartment with any metal object. 5) Carefully examine the plastic propeller before you put it on the motor's axle. If you see any defects in the blades or on the outer rim, do not run the motor. Refer to the Questions and Comments section on this sheet and contact our customer service team for a replacement. 6) This kit and the finished product contain small parts which may constitute a choking hazard if used inappropriately. Keep away from children under 3 years of age.

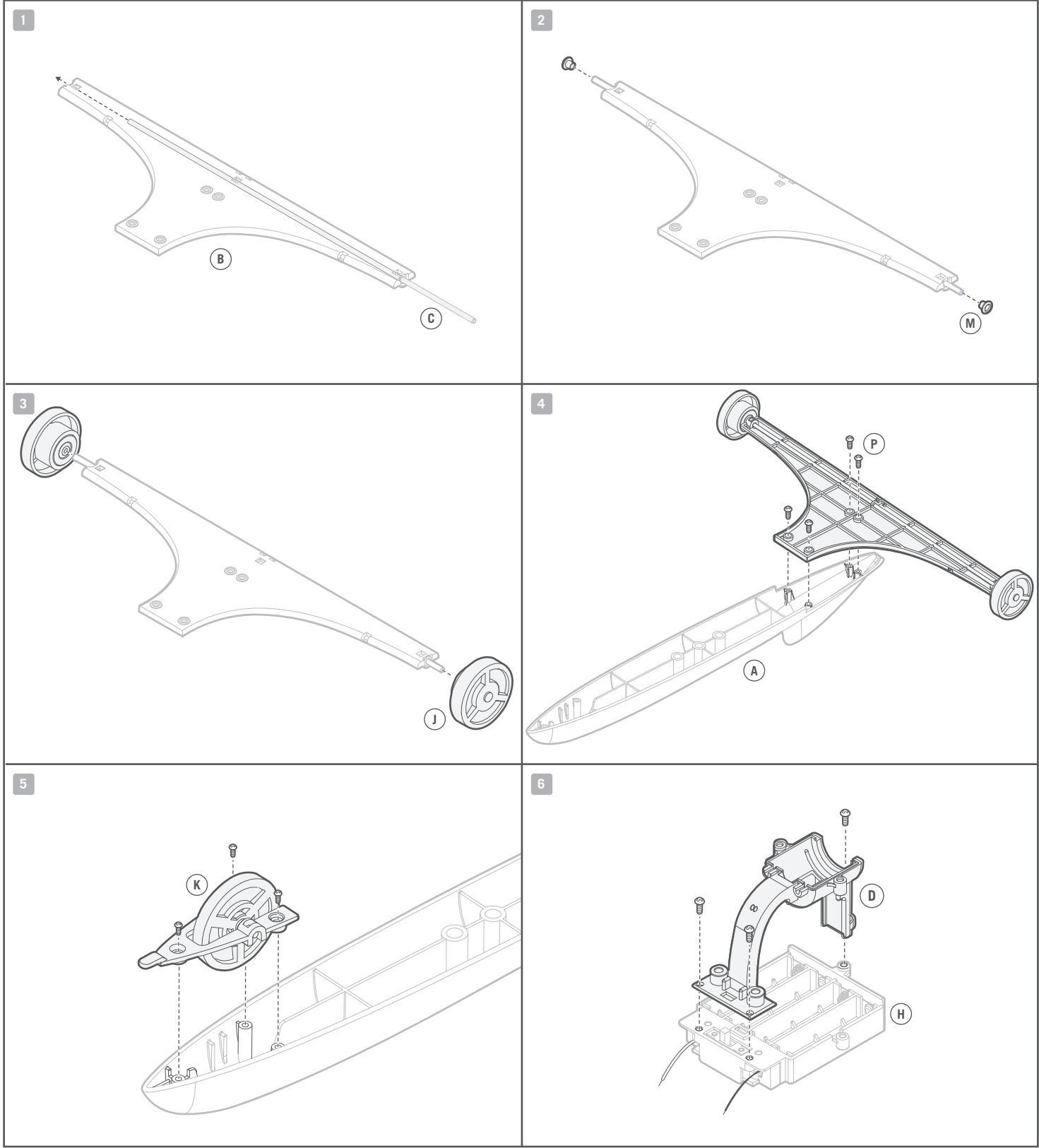
B. USE OF BATTERIES
1) Requires four 1.5 V AAA batteries (not included). 2) For best results, always use fresh batteries. 3) Make sure you insert the batteries with the correct polarity. 4) Remove the batteries from the kit when not in use. 5) Replace exhausted batteries straight away to avoid possible 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 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

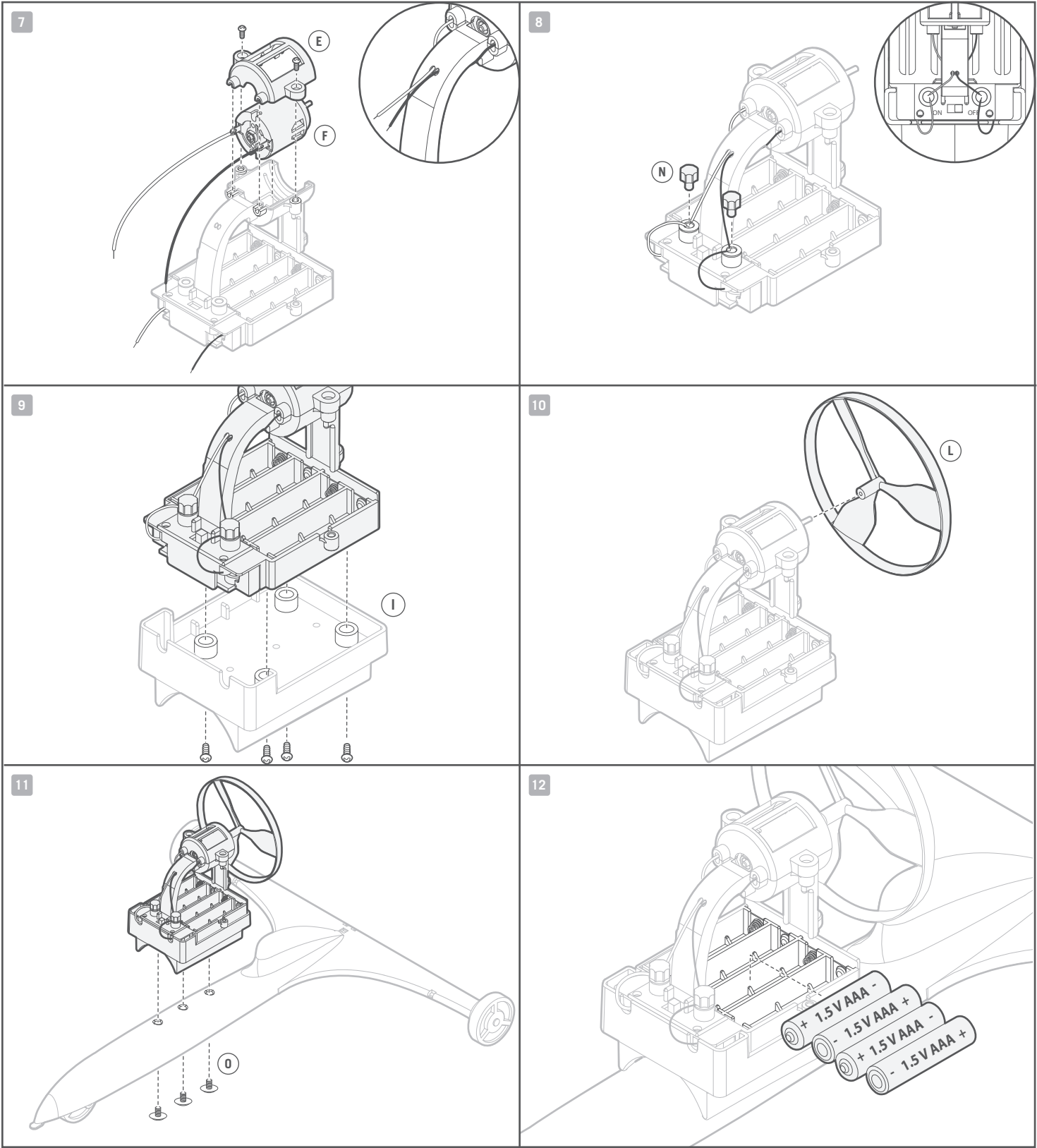


Part; A: Racer body, B: Rear axle support, C: Long axle, D: Motor holder, E: Motor cover, F: Motor, G: Battery case cover, H: Battery case, I: Battery case joint, J: Back wheel x 2, K: Front wheel, L: Propeller, M: Metal eyelet x 2, N: Terminal cap x 2, O: Flat top screw x 3, P: Small screw x 18. Required, but not included: a small crosshead screwdriver and 4 x 1.5 V AAA batteries.

D. ASSEMBLY



1. Slide the long axle (C) into the rear axle support (B) as shown.
2. Make sure the long axle is centered. Then insert a metal eyelet (M) over one end of the long axle and press it into the side of the rear axle support. Repeat on the other side.
3. Snap a back wheel (J) onto each end of the long axle.
4. Flip the body over, and then attach the rear axle support to the back four holes on the racer body (A) with 4 small screws (P) as shown. The smooth side of the rear axle support and racer body should face downwards when attaching the two pieces together.
5. Attach the front wheel (K) to the three holes at the front of the racer body with 3 small screws. The flat side of the front wheel's screw holes should face away from the racer body.
6. Attach the motor holder (D) to the top of the battery case (H) with 3 small screws.



7. Insert the motor (F) into the motor holder as shown. Make sure the wires are aligned according to the diagram. Place the motor cover (E) over the motor and secure it with 2 small screws. Then slide the motor's red and black wires through the hole at the front of the motor holder to prepare for the next step.
8. Insert the red wires into the terminal closest to the "ON" marking on the battery case and secure them in place with a terminal cap (N). Repeat this process with the black wires in the other terminal. Refer to the diagram to ensure the wires are connected correctly.
9. Attach the battery case to battery case joint (I) with 4 small screws.
10. Slide the propeller (L) onto the motor's axle.
11. Attach the battery case joint to the top of the racer body with three flat top screws (O).
12. Make sure the switch is in the "OFF" position before inserting the 4 x 1.5 V AAA batteries into the battery case.