

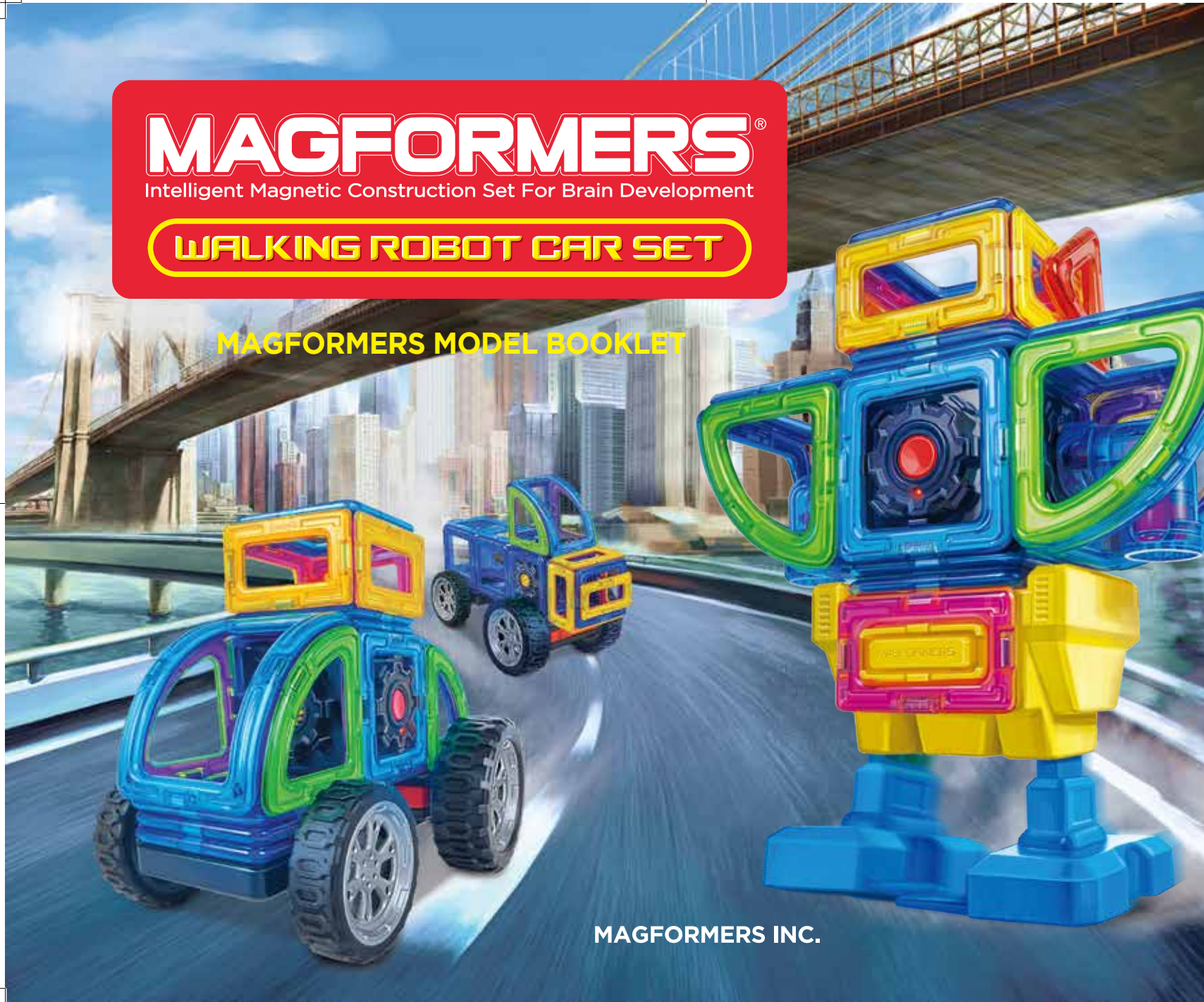


MAGFORMERS®

Intelligent Magnetic Construction Set For Brain Development

WALKING ROBOT CAR SET

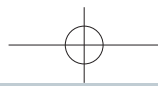
MAGFORMERS MODEL BOOKLET



MAGFORMERS INC.

182 mm






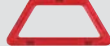









257 mm



Magformers Walking Robot Car Set

Magformers Walking Robot Car Set allows you to use various magnetic pieces and build both cars and robots that children love. You can transform a finished car into a robot for a fun modeling activity as shown in the booklet. You can also control cars and robots with Engine Watch. Have fun building your own car and transforming it into a robot with various accessories and magnetic pieces. Your creativity will grow while having fun controlling your own model.

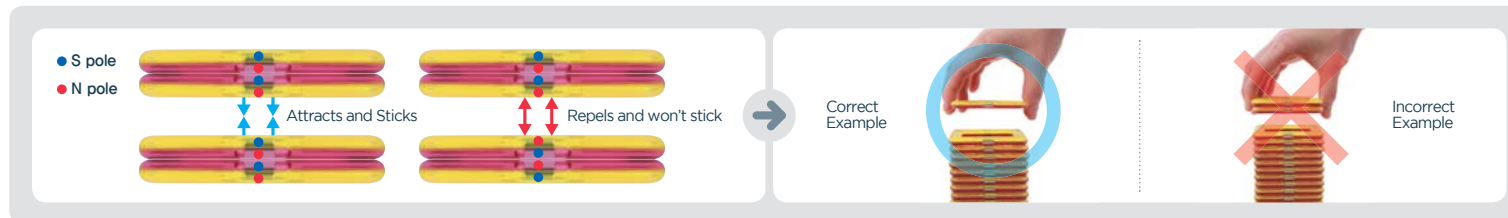
01 Composition(45pcs)

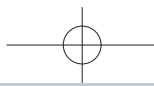
							
Triangle × 6	Square × 14	Mini Rectangle × 5	Super Rectangle × 1	Diamond × 2	Trapezoid × 2	Sector × 4	Arch × 2
							
Power Engine Block(RF) × 1	EngineWatch × 1	90° Female Connector × 2	Engine Module 1-Way × 1	Wheel × 1	Big Wheel × 2	Walking Block × 1	

* Engine Watch Operating Frequency : 2.4089-2.4579GHz, Transmit : 10dBm

02 The Principle of Magformers

Magformers contain a neodymium magnet. Unlike typical magnetics, the poles are not displayed on the neodymium magnet, however, it has the same general properties. If two pieces are stuck together and the magnets cannot rotate, they might repel each other in some cases. That's why it's easier to attach one piece to another. Likewise, when you clean up the Magformers pieces, it's easier to attach one piece to another!





03 Warnings when using the Power Accessories

- The power will shut off for safety if any excessive shock is imposed while operating the Power Engine Block(RF).
- If you force the accessories inserted into the Power Engine Block(RF) to turn, it may cause failure.
- Please make sure to turn off the Power Engine Block(RF) and Engine Watch after use.
- Do not disassemble, drop or place in water.
- If the accessories are working slowly or not working smoothly, please charge (or replace batteries) before use.
- Do not impose any excessive shock or force, including throwing at or hitting a person with the product.
- Do not stand on the product.
- When charging, be sure to connect the USB cable under the supervision of a guardian.
- Please note that if you force connection or incorrectly connect the USB cable, it may damage the terminal.
- Do not let children disassemble products with a button-type battery.
- Please note that it is very dangerous if a button-type battery gets lodged in the ears, nose or mouth of children. Please dispose of used batteries properly out of the reach of children. (When replacing the battery, be sure to replace it under the supervision of a parent/guardian.)

04 Battery Warnings

- If putting a battery in it or using it mistakenly, overheating, rupture and lachrymal fluid could be caused.
- When lachrymal fluid oozes out, never touch it with hands.
- When the fluid which comes out from the battery is stained with the skin or the clothes and gets into the eye, counsel with the doctor immediately.
- Do not mix old and new batteries.
- Do not mix alkaline, standard(carbon-zinc) or rechargeable batteries.
- Turn off the power when not in use.
- After playing, turn off the power without fail and keep it separate from others.
- Separate the used battery safely.

05 How to use wheels

► Wheel

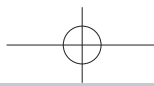
The wheel can be used by combining Magformers magnetic pieces as shown in the picture below.



► Big Wheel

The Big Wheel can be used by combining Engine Module 1-Way.





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B
A

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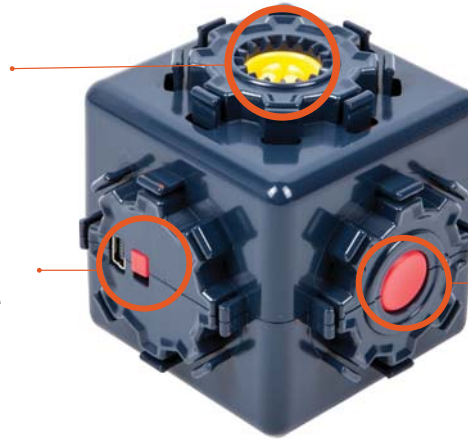
0 How to use and charge the Power Engine Bloc

► How to use the Power Engine Block(RF)

When you connect the blocks below, Magformers models will show various movements.



When you turn on the switch, a red light appears and the Power Engine Block(RF) becomes ready to use.

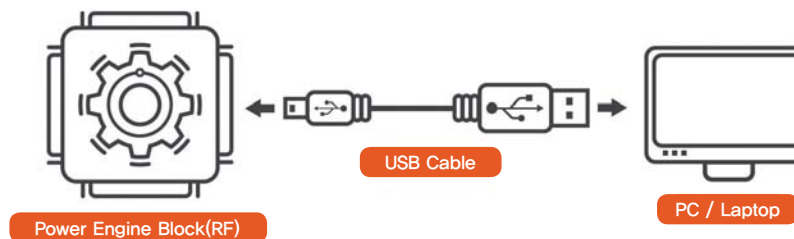


When the light appears on the front, press the button once to operate the Power Engine Block(RF). Press again to operate in the reverse direction and press once again to stop.

※ If the model goes backwards when you control it, turn the Engine Watch button to the opposite direction, or press the power button of the Power Engine Block(RF) once more to make it move forward.

► How to charge the Power Engine Block(RF)

When the USB cable is plugged in, a yellow-green light appears on the front. When it is done charging, the yellow-green light turns off. If you operate the Power Engine Block(RF) while charging, the light may look orange. The proper charging time is approximately 3 hours. Charging in any way other than the recommended method may cause a malfunction. Please use a PC or laptop to charge the product.



04
05

0 How to use the Engine Watch and How to replace batteries

► How to use the Engine Watch



When the power switch is turned on, a red light appears on the front. Try to control the Power Engine Block(RF) with the Engine Watch.



Turn the yellow part to the right to rotate the blocks inserted into the Power Engine Block(RF).

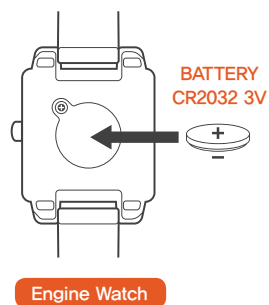


Turn the yellow part to the left to rotate the blocks inserted into the Power Engine Block(RF) in the opposite direction.

※ If the model goes backwards when you control it, turn the Engine Watch button to the opposite direction, or press the power button of the Power Engine Block(RF) once more to make it move forward.

► How to replace the Engine Watch

Please replace batteries if the Engine Watch does not operate.





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0 o els

Walking robot car can be transformed from a car into a robot step-by-step.

Jeep



Cap



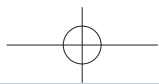
Vator



Dump



06
07



Power



Rally

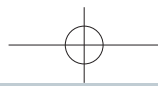


Buggy



Bike





WA
B
A

H H

Jeep

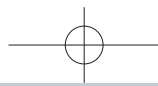


Composition |  X 14  X 2  X 2  X 1  X 1  X 2  X 1  X 1  X 1  X 1



08

09



Jeep Robot

0



0



03



04



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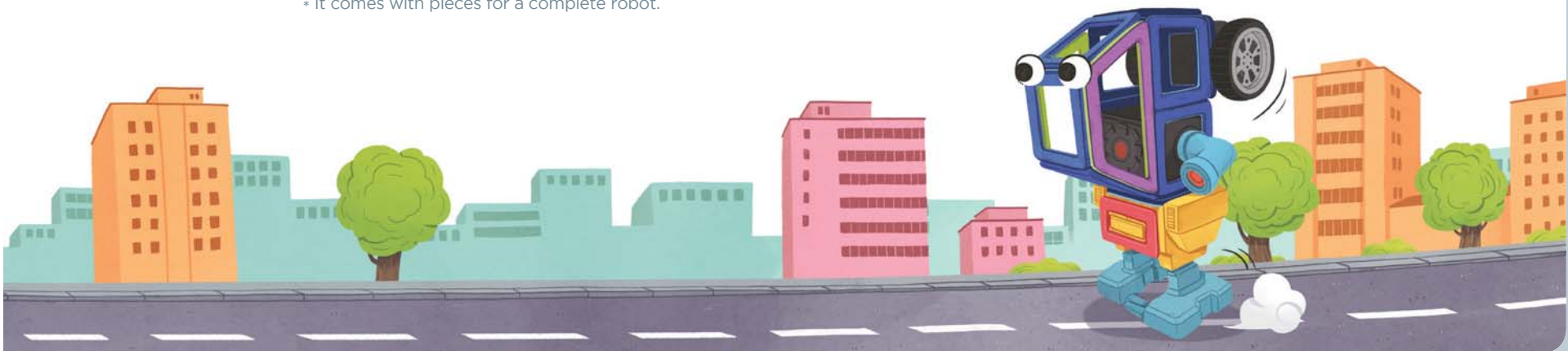


0



Composition |  X 13  X 2  X 1  X 1  X 2  X 1  X 1  X 1

* It comes with pieces for a complete robot.





WA
B
A

H H

Cap

0



0



03



04



05



0



Transform
into a robot

Composition |  X 11  X 2  X 4  X 4  X 1  X 2  X 1  X 1  X 1  X 1

I am a Taxi and I can go anywhere
people want to go.





Cap Robot

0



0



03



04



05



0



Composition |  X 2  X 11  X 2  X 4  X 5  X 2  X 1  X 1  X 1

* It comes with pieces for a complete robot.

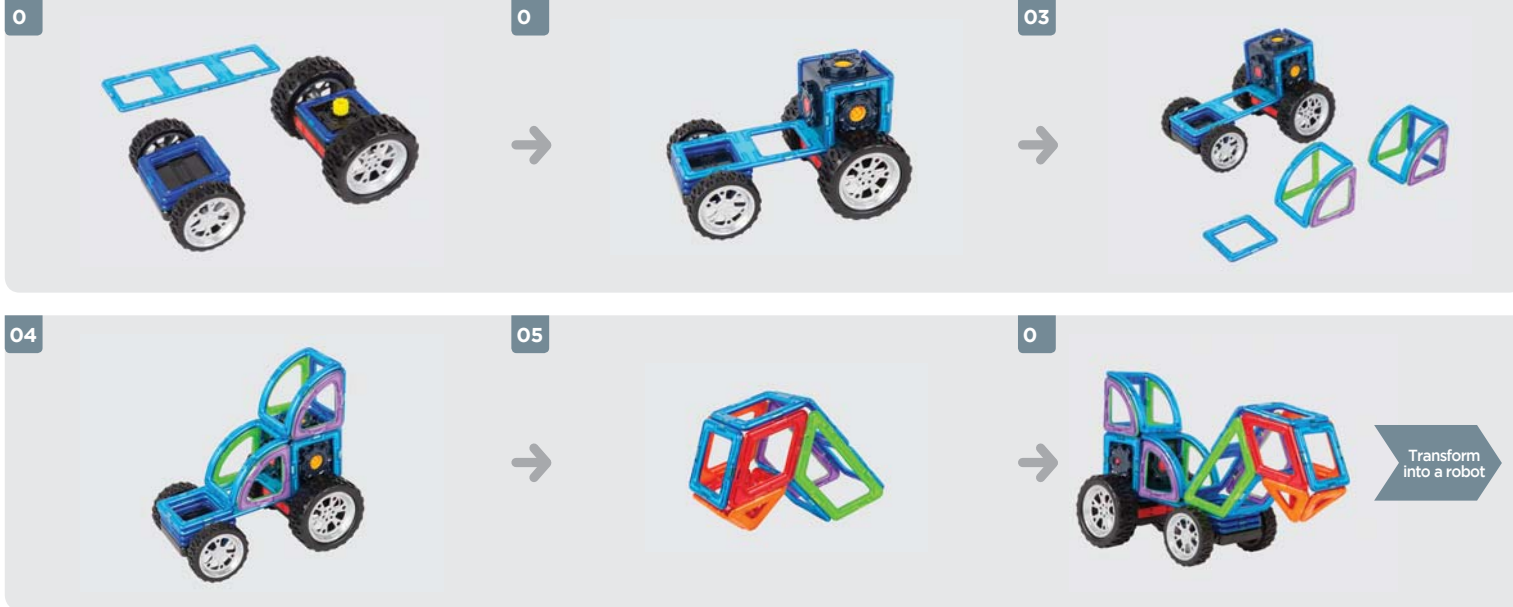




WA
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A

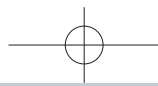
H H

Vator

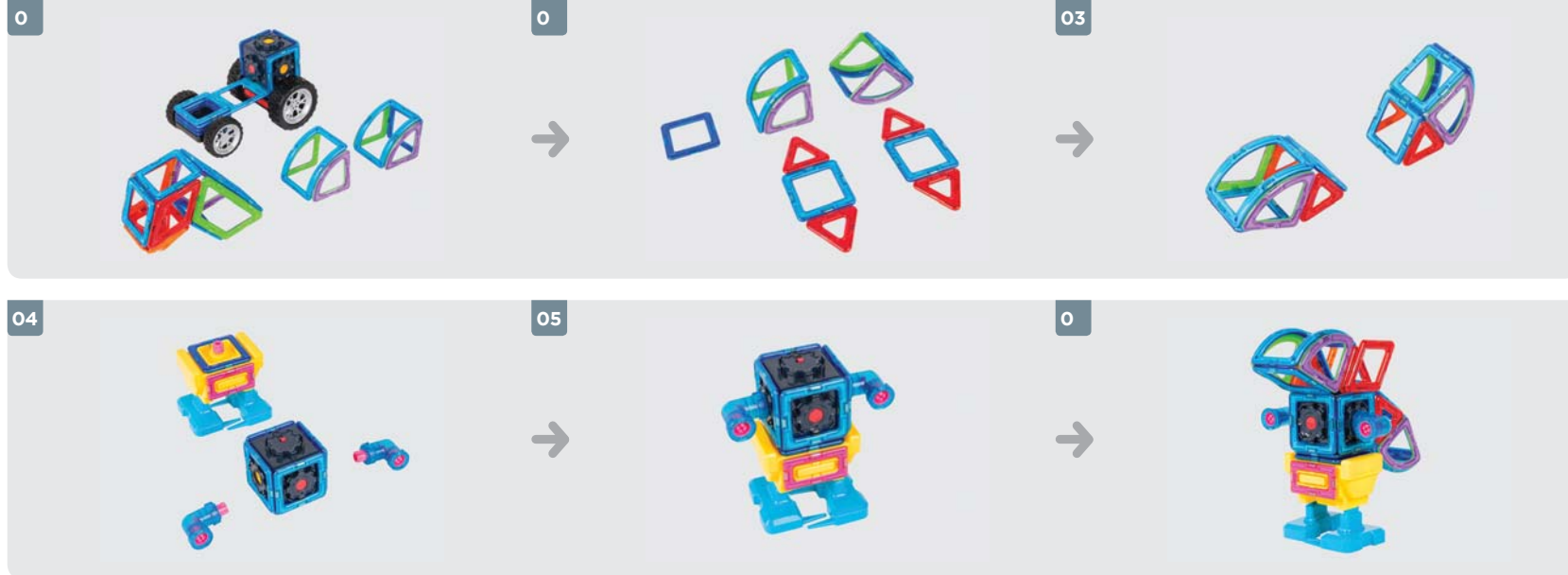


Composition |  X 4  X 13  X 2  X 2  X 2  X 4  X 1  X 1  X 2  X 1  X 1  X 1





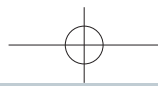
Vator Robot



Composition |  X 4  X 10  X 2  X 2  X 4  X 1  X 2  X 1  X 1  X 1

* It comes with pieces for a complete robot.

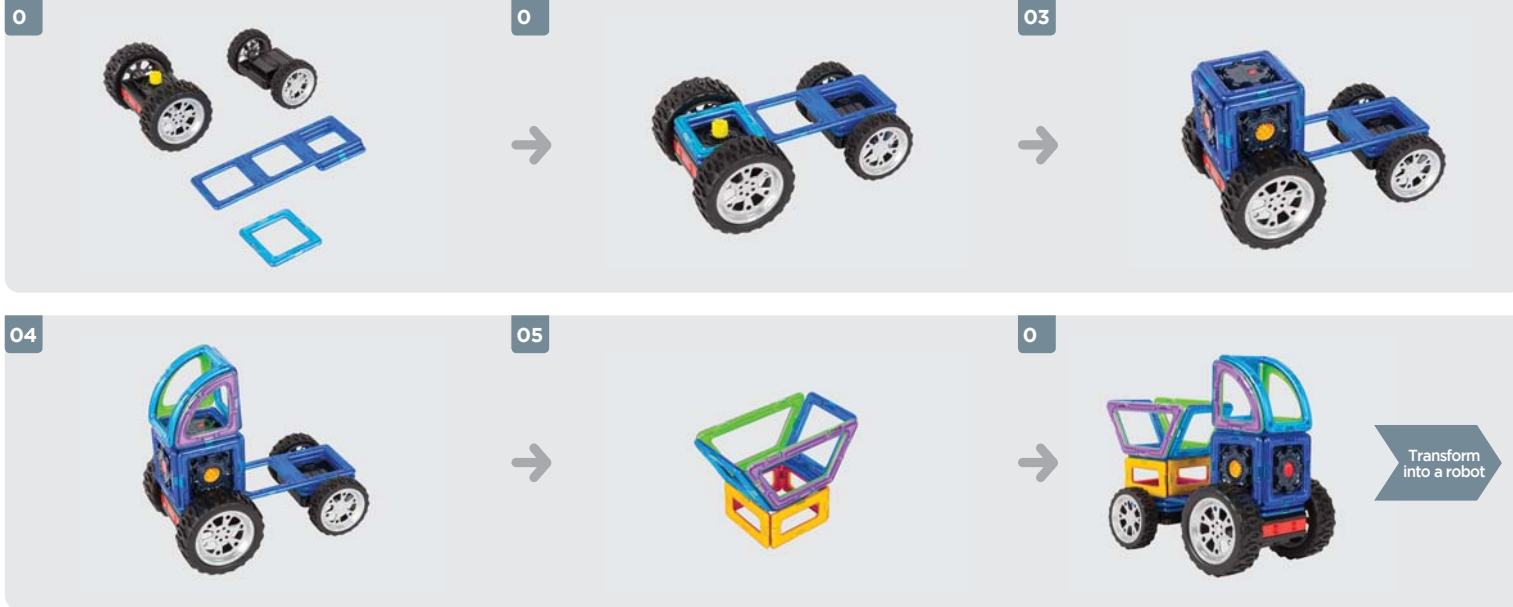




WA
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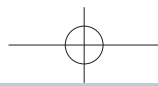
Dump



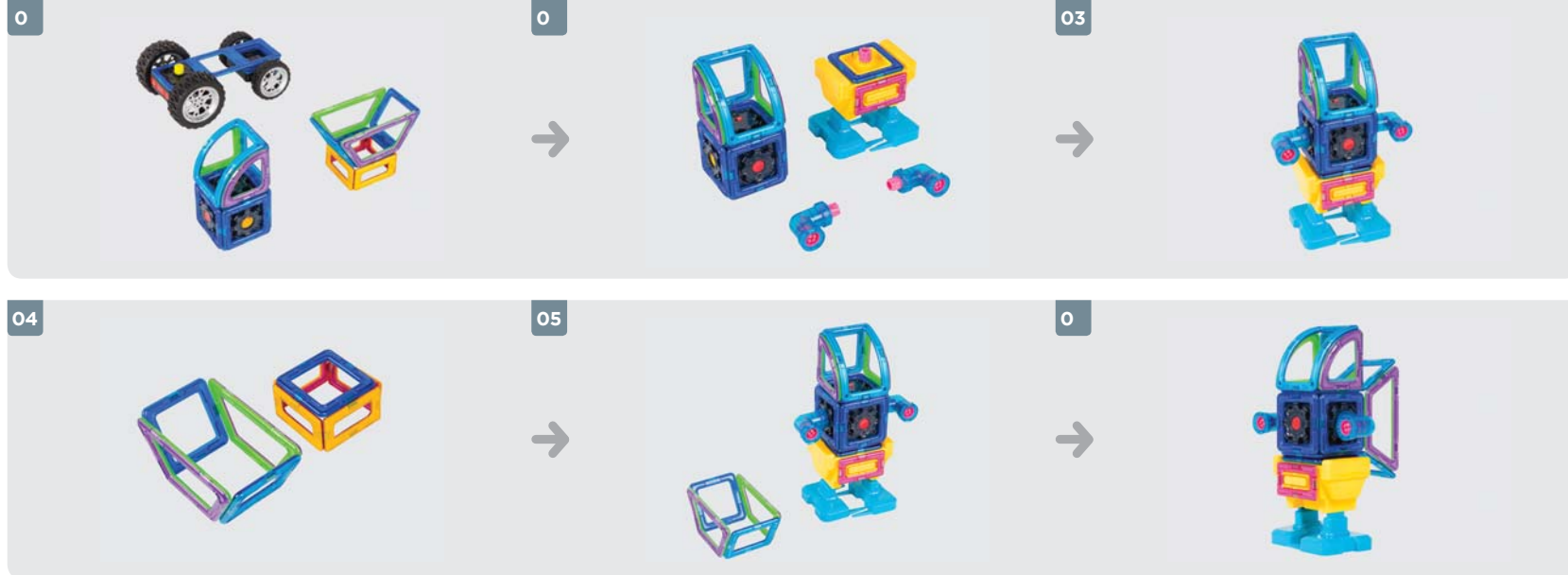
Composition |  X 12  X 2  X 1  X 2  X 4  X 1  X 1  X 2  X 1  X 1  X 1

I am a Dump Truck. I carry soil,
sand and gravel for buildings.



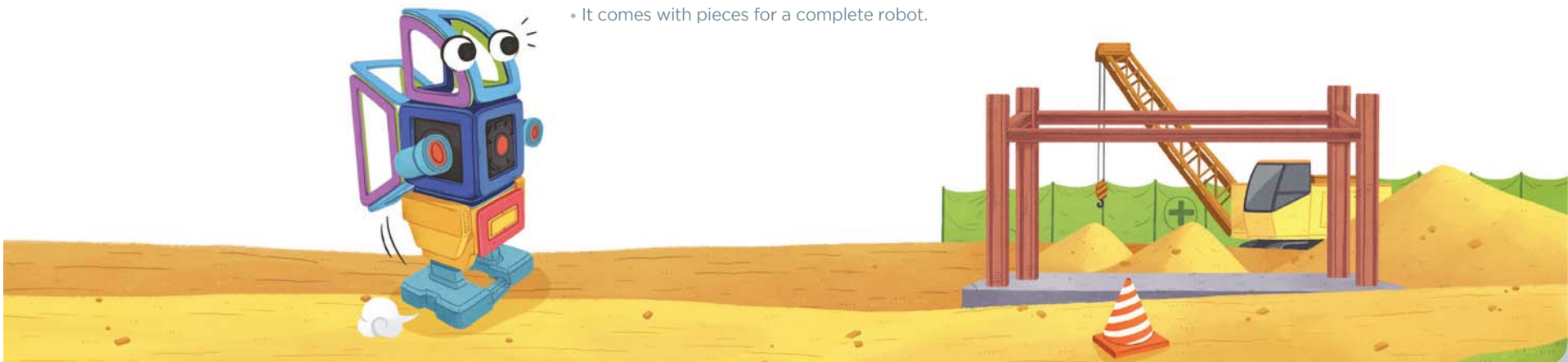


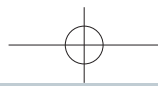
Dump Robot



Composition |  X 10  X 2  X 1  X 2  X 1  X 2  X 1  X 1  X 1

* It comes with pieces for a complete robot.

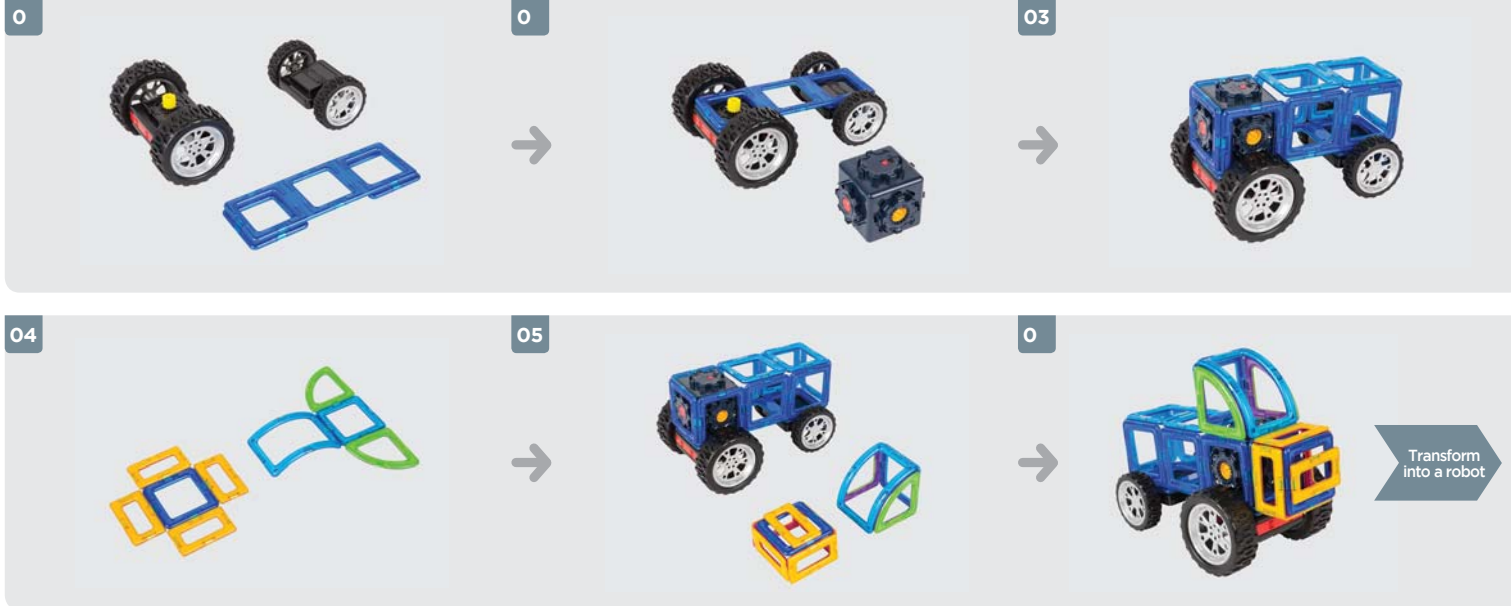




WA
B
A

H H

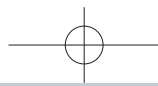
Power



Composition |  X14  X1  X2  X5  X1  X1  X2  X1  X1  X1

I am a Pickup Truck and
I can easily carry heavy things.





Power Robot

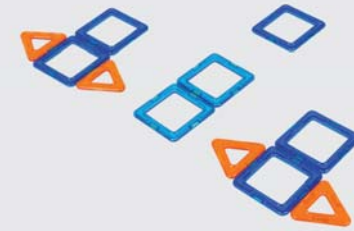
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0



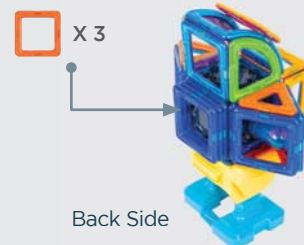
03



04



05



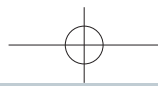
0



Composition |  X 4  X 14  X 1  X 2  X 5  X 2  X 1  X 1  X 1

* It comes with pieces for a complete robot.

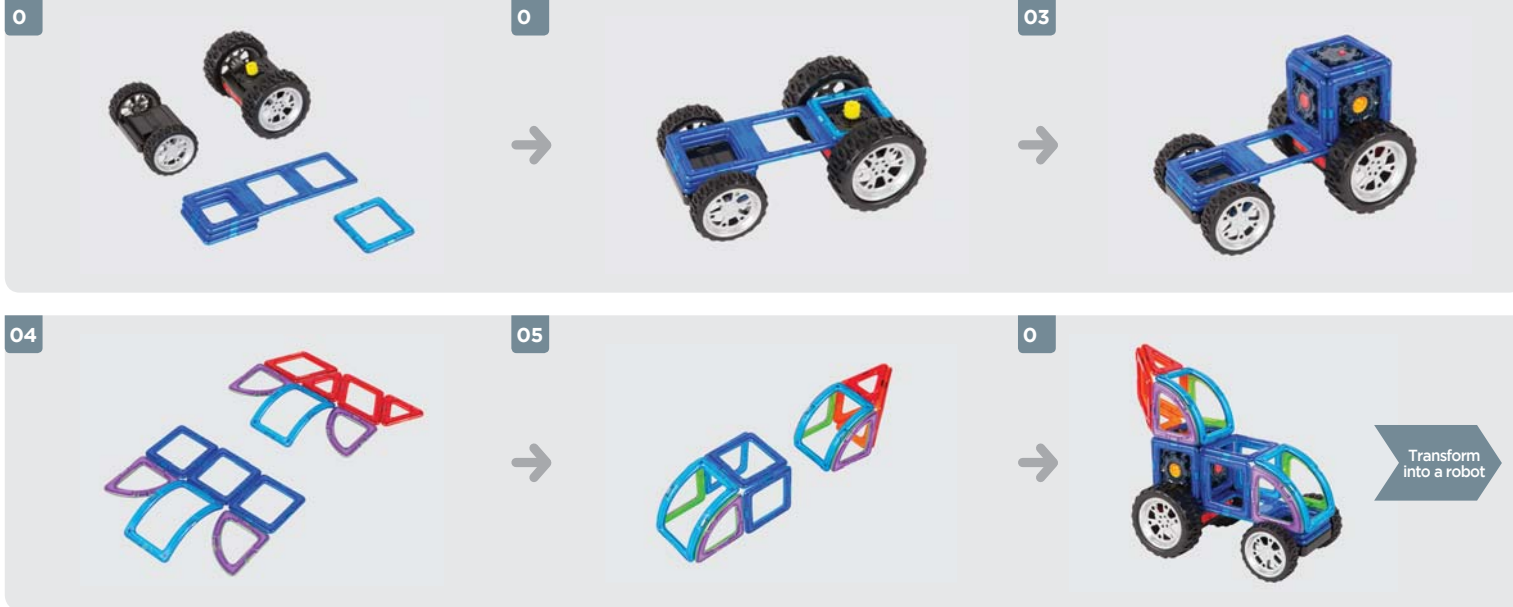




WA
B
A

H H

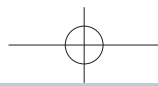
Rally



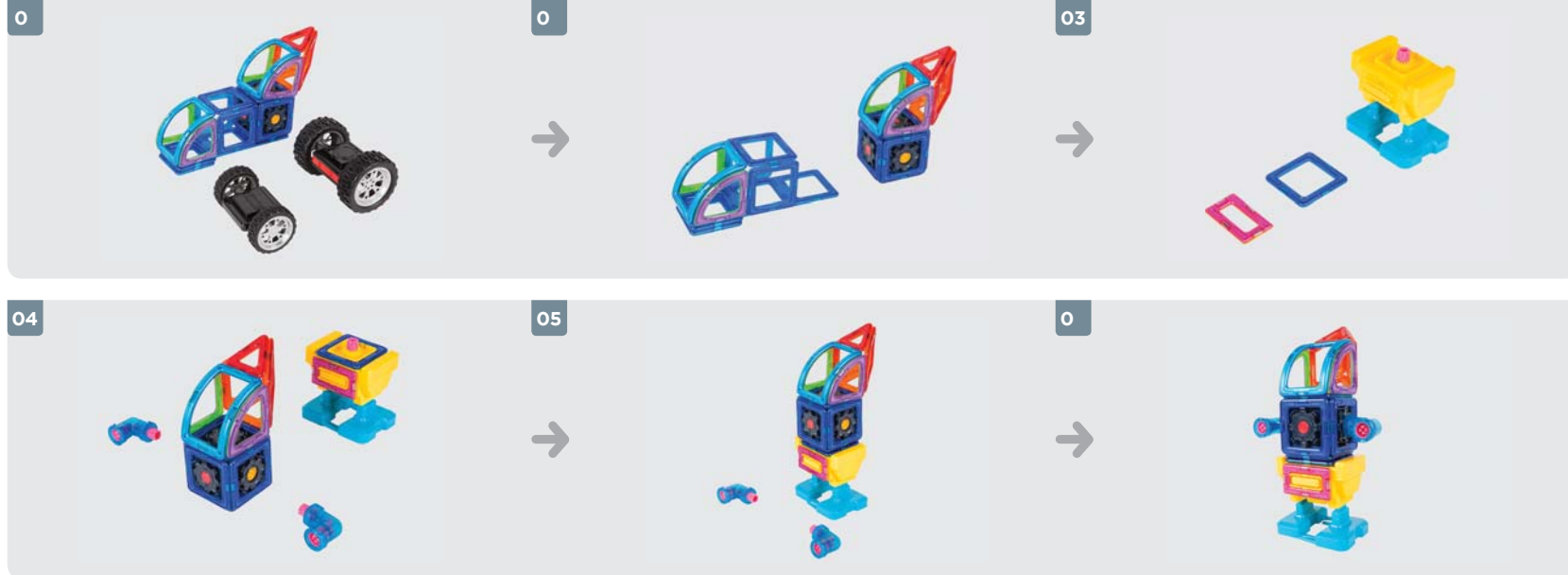
Composition |  X 2  X 11  X 2  X 2  X 4  X 1  X 1  X 2  X 1  X 1  X 1

I am a long distance runner, Rally,
and I can drive for the longest time.



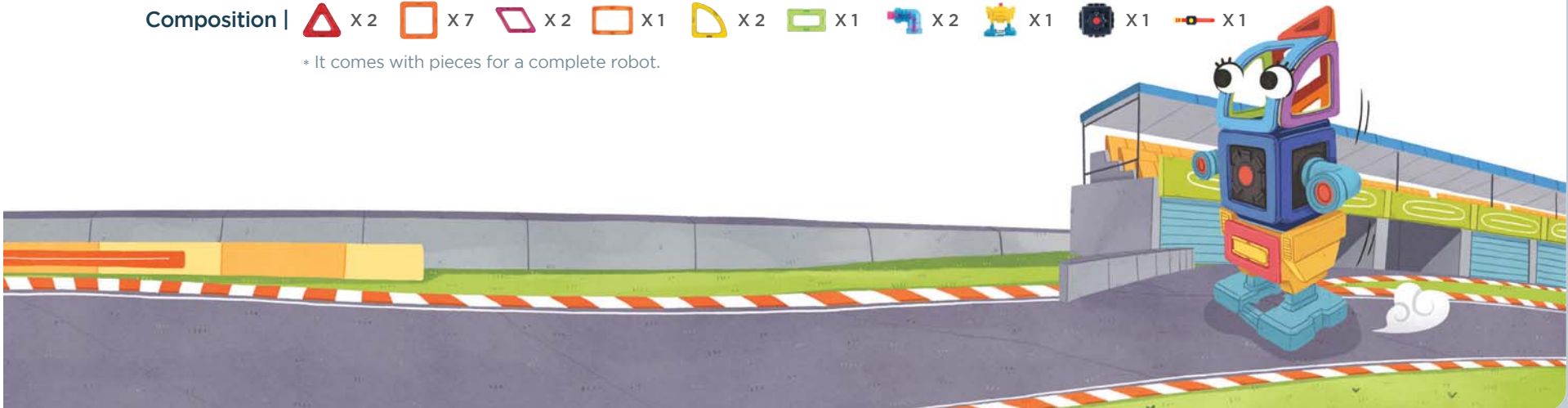


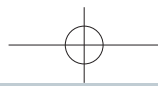
Rally Robot



Composition |  x 2  x 7  x 2  x 1  x 2  x 1  x 2  x 1  x 1  x 1

* It comes with pieces for a complete robot.

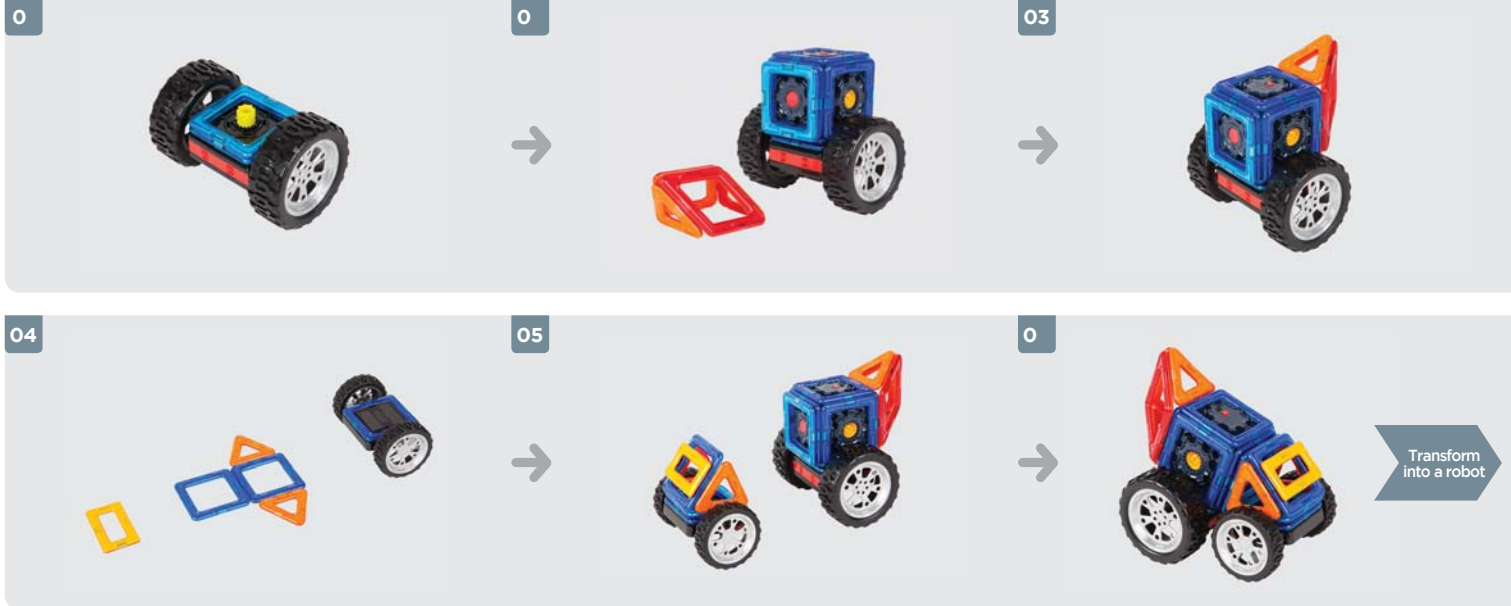




WA
B
A

H H

Buggy



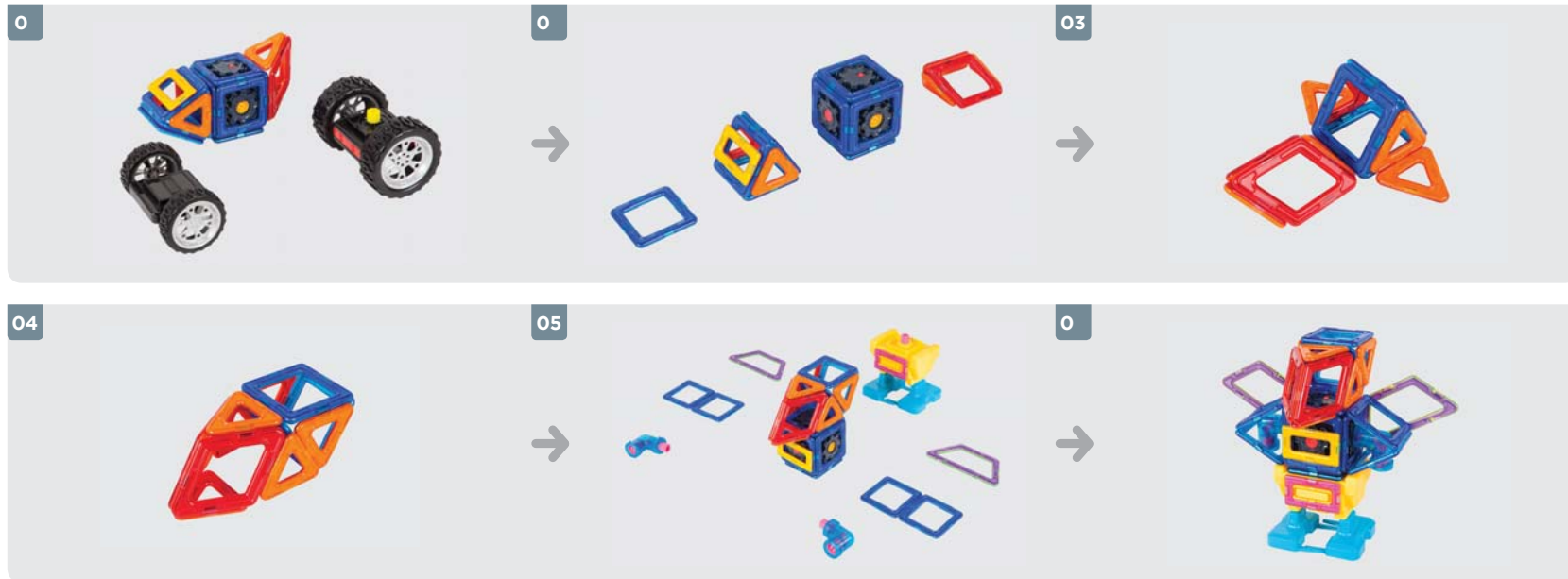
Composition |  X 4  X 11  X 2  X 1  X 1  X 2  X 1  X 1  X 1

I am a Buggy. I am small and cute.
I love going fast.





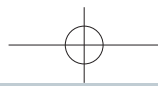
Buggy Robot



Composition |  X 6  X 14  X 2  X 2  X 2  X 2  X 1  X 1  X 1

* It comes with pieces for a complete robot.





WA
B
A

H H

Bike

0



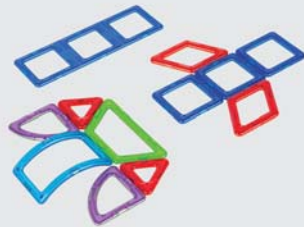
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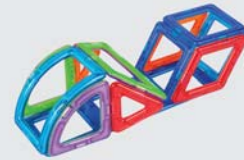
03



04



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0



Transform
into a robot

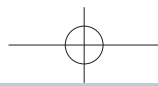
Composition |  X 2  X 9  X 2  X 1  X 1  X 2  X 1  X 2  X 2  X 1  X 1

I am a fast Bike, I have only two wheels,
but I can go through narrow alleys.

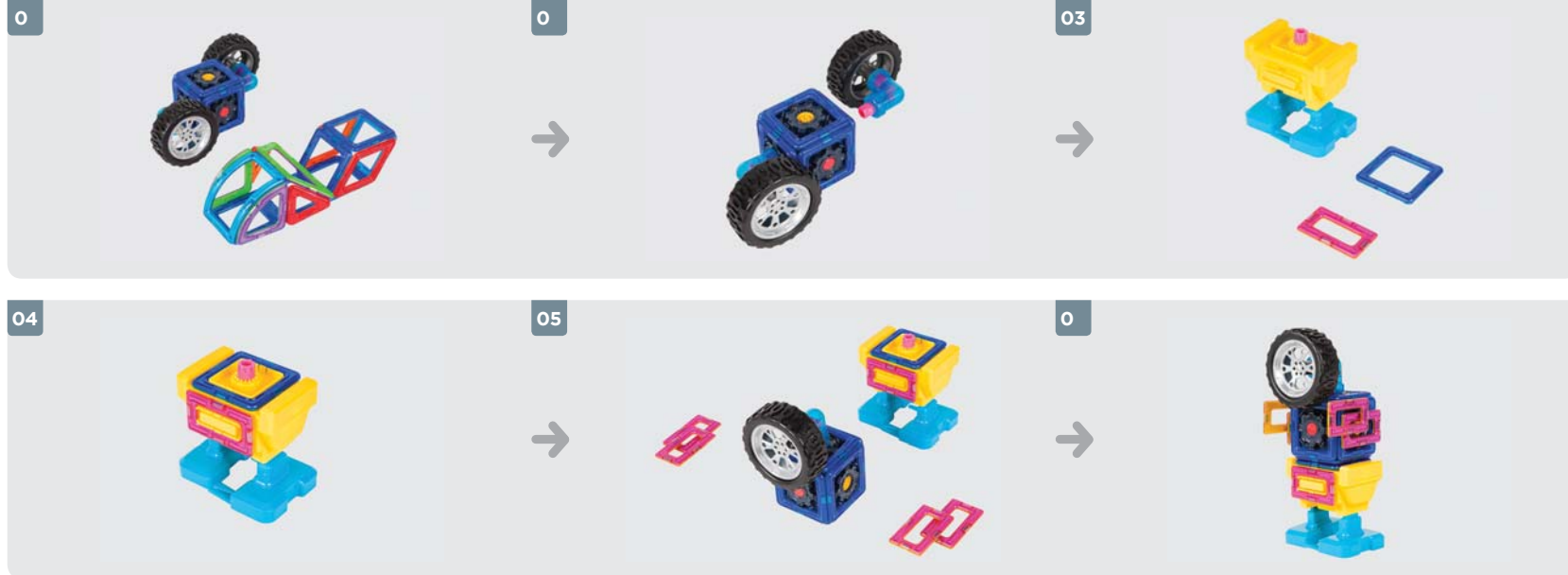


22

23

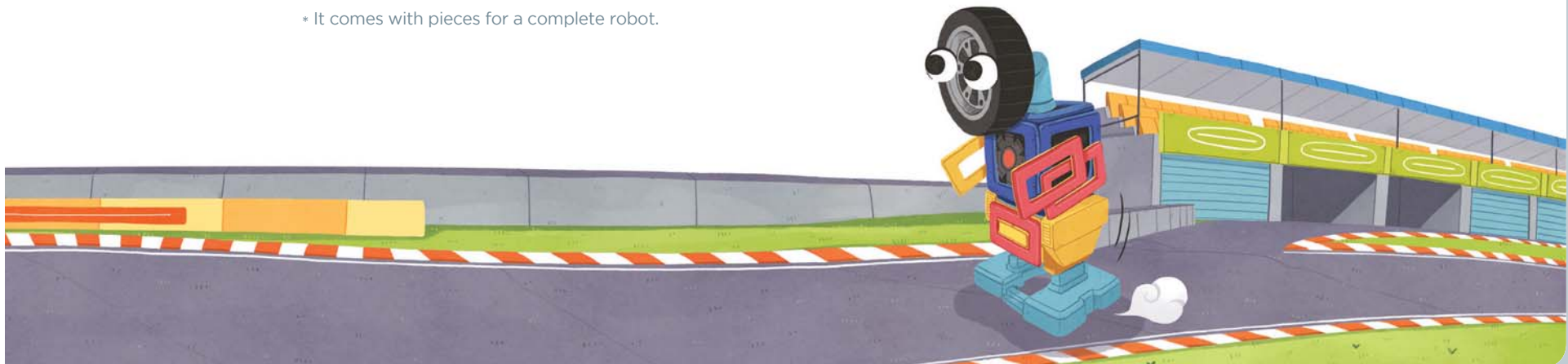


Bike Robot



Composition |  X 7  X 5  X 1  X 1  X 1  X 1  X 1

* It comes with pieces for a complete robot.





► **Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

► "This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) This device must accept any interference, including interference that may cause undesired operation of the device."

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. CAN ICES-3(B)/NMB-3(B)

How to remove and insert the batteries

- Remove screws and place batteries in the correct position as displayed inside.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed from the toy before being charged.
- Rechargeable batteries are only to be charged under adult supervision.
- Batteries are to be inserted with the correct polarity.
- Exhausted batteries are to be removed from the toy.
- The supply terminals are not to be short-circuited.



WARNING

This product contains a Button or Coin Cell Battery. A swallowed Button or Coin Cell Battery can cause internal chemical burns leading to death in as little as two hours. Dispose of used batteries immediately. Keep new and used batteries away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

US Patent No. 7,154,363,B2

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MAGFORMERS INC.

2-4F, 210, Dosan-daero, Gangnam-gu, Seoul, Korea
Tel : 82-2-6714-2240
Fax : 82-2-6714-2298
www.magformersworld.com
E-Mail : info@magformersworld.com

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