

SPIDER BODY AND MECHANISM WITH TOOTHED ROD

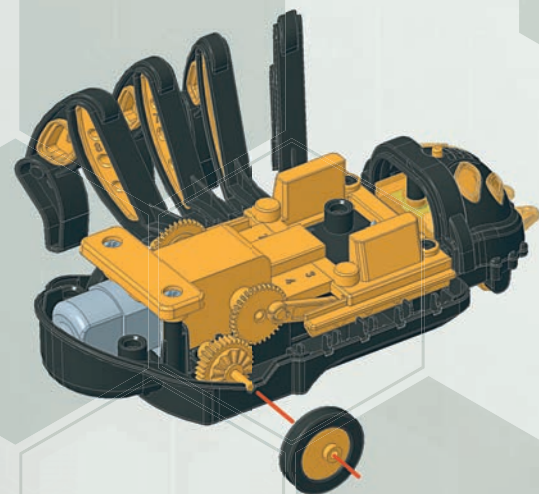
Spiders are amazing animals because they have eight legs that move in a special way. They don't move all their legs at once. Instead, some legs move forward while the others stay still to keep the spider balanced.

You can think of it like a dance: first the legs on one side move, then the legs on the other side. This way, the spider never falls over!

Spiders also move differently from humans because they don't have muscles in their legs. They use the pressure inside their bodies—like a little pump—to make their legs move. Some spiders can even jump farther than their own body length!



A small motor inside the Spider Attack drives a gear with an offset (eccentric or crank) pin. This gear is connected to a piston rod with two holes which in turn is connected to a toothed bar similar to a rack. Driven by a track, the bar moves backwards and forwards, transforming the rotary motion of the motor into linear motion. This bar is connected to the spider's legs. When it slides forwards, the teeth on the bar push the legs up and down alternately, creating the illusion that the spider is walking. In fact, the spider is moved by the wheels on the base of the body, driven by a gear connected to the first gear fixed to the motor shaft.



6

INSTRUCTIONS FOR CORRECT USE OF TOYS/ GAMES WITH REPLACEABLE BATTERIES

WARNING!

• Batteries must be installed by an adult. • The + and - symbols on the batteries must be lined up correctly. • Old batteries must be removed from the game. • The power terminal block must not be short-circuited. • Never touch the contacts inside the battery case, as this could cause a short circuit. • The rechargeable batteries must be removed prior to being charged. Only recharge under adult supervision. • Never attempt to recharge non-rechargeable batteries. • Different types of batteries or new and used batteries should not be used at the same time.

OTHER RECOMMENDATIONS:

• Batteries are dangerous if swallowed; keep away from children. • Always remove batteries prior to long-term storage. • Do not try to open the batteries. • Do not throw batteries into a fire.

INSTRUCTIONS FOR BATTERY DISPOSAL

The symbol  indicates that dead batteries must be disposed of in accordance with current regulations for waste disposal. Chemical symbols for mercury (Hg), cadmium (Cd) and/or lead (Pb) which appear below the crossed out wheellie bin symbol indicate that there is a significant percentage of the relative substance in the battery. These substances are highly damaging to the environment and human health. The correct disposal of batteries allows their isolation and the targeted treatment of harmful substances, and allows recycling of precious primary materials, reducing negative effects on persons and the environment. The disposal of worn-out batteries in landfills or the environment significantly increases the risk of water pollution. Pursuant to European Directive 2013/56/EU, it is prohibited to dispose of batteries and accumulators as urban waste and consumers are obliged to participate in separated waste collection so as to facilitate the treatment and recycling of the same.

HOW TO DISPOSE OF BATTERIES:

Discharge the batteries completely by leaving on the game until the batteries have fully run out. Remove the batteries from the game before disposal. Dispose of all batteries in accordance with current regulations, by using the appropriate containers at an authorised recycling centre or by returning them to the shop where they were purchased. Returning them is free! Penalties are applied for incorrect disposal.

INSTRUCTIONS FOR THE DISPOSAL OF ELECTRICAL AND ELECTRONIC DEVICES SUBJECT TO SEPARATE WASTE DISPOSAL

IMPORTANT! The crossed out wheellie bin symbol indicates that in European Union member states (Dir. 2012/19/EU) and in those that adopt separated waste collection systems, all components of the product marked by this symbol (or indicated as such in the game instructions) are subject to separated waste collection laws at the end of their life. It is prohibited to dispose of such components as mixed urban waste.

HOW TO DISPOSE OF ELECTRICAL AND ELECTRONIC DEVICES:

It is mandatory to separately collect those components marked by the symbol (or indicated as such in the relevant documentation) and deliver them to authorised recycling centres for the purposes established, or where possible, to return the product for disposal back to the shop when a similar product is purchased, or for free in the event the external dimensions of the component are less than 25 cm. Users of the product play a critical role in ensuring the correct disposal of electrical and electronic equipment that has reached the end of its life. It is therefore important for each user to be aware of their role and to always dispose of electrical/electronic waste in accordance with current legislation, thereby contributing to the correct management of waste and encouraging its reuse, recycling and/or recovery.

7

WARNING!

Components marked by the symbol  contain substances that are harmful to the environment and human health. It is therefore prohibited to dispose of them as mixed urban waste or together with other domestic waste. Incorrect disposal may result in damage to the environment and may be punished by the law. These components should not be used improperly. In particular, it is prohibited to remove the electrical and electronic parts from the toy or use the toy if damaged. These actions could cause health hazards.

N.B.: The above information only relates to the parts of the toy marked with the prohibitive symbol  (or those parts indicated in the information leaflet as being subject to this restriction).

Other game components (cards, accessories, etc.) and their packaging are not subject to the above described indications and must be disposed of according to the methods provided for by current standards. These other components do not need to be delivered to authorised recycling centres for electrical and electronic equipment or returned to the shop when a new product is purchased. Domestic users (non-professional) are invited to contact their local retailer, the public waste disposal authorities or the Customer Service Department of **CLEMENTONI S.p.A.** (Tel. +39 071 75811; fax +39 071 7581234; e-mail: info@clementoni.it) for further information about the correct way to dispose of the product.

 **Clementoni.** Registered on the electronic and electrical manufacturers' register: REGISTRATION IN PROGRESS.

REMOVING AND INSTALLING THE BATTERIES

1. Make sure that the device is switched off.
2. Remove the cover of the battery beneath the neck.
3. Remove the exhausted batteries.
4. Insert the batteries (2 x 1.5 V AAA) by matching their pole markings with those on the battery compartment.
5. The batteries must be inserted by an adult.
6. Close the panel again using the relevant screws.
7. Make sure that the device works.

Power supply: 3V 
Batteries: 2x1,5V AAA/LR03
Batteries not included.

HOW TO INSERT BATTERIES Ask an adult to help



8

Science
& play®

ROBOTICS

SPIDER ATTACK



V83513

STEM

WARNING: to ensure adequate operation of the electric motor, a small amount of grease was added during manufacturing. In case of high temperatures, this substance may melt and become oily. If the motor contained in the kit is dirty, you can simply clean it with paper napkins. The grease used is neither toxic nor dangerous.

WARNING! Only for children aged 8 years and older. The instructions for adults are included and must be observed.

N.B.: ask an adult to remove the pieces from their plastic sprues. They can also do that with the aid of scissors, if necessary. Any remaining sharp pieces must be thrown away immediately.

Read and keep this instruction manual for future reference.

Authorized representative (for USA market):
CLEMENTONI USA, Inc.
101 Continental Boulevard
El Segundo, CA 90245, USA

Clementoni tarafından ithal edilmektedir.
Clementoni Oyuncak San. ve Tic. Ltd. Sti. Barbaros Mh.
Mor Sumbül Sk. Meridian Business I Blok
No:1/144 34746 Ataşehir İstanbul
Tel: 0216 574 93 31
www.clementoni.com
<https://www.clementoni.com/tr/form/>
Bilgileri referans için saklayınız

Authorised representative (for GB market):
Clementoni UK LTD - Unit 9 - Brook Business Centre
Cowley Mill Road - Uxbridge - UB8 2FX - ENGLAND
P. +44 203 383 2020
<https://en.clementoni.com/pages/assistance>

Manufacturer/Üretici Firma: **Clementoni S.p.A.**
Zona Industriale Fontenoce s.n.c.
62019 Recanatì (MC) - Italy
Tel.: +39 071 75811 - www.clementoni.com

 **Clementoni.**

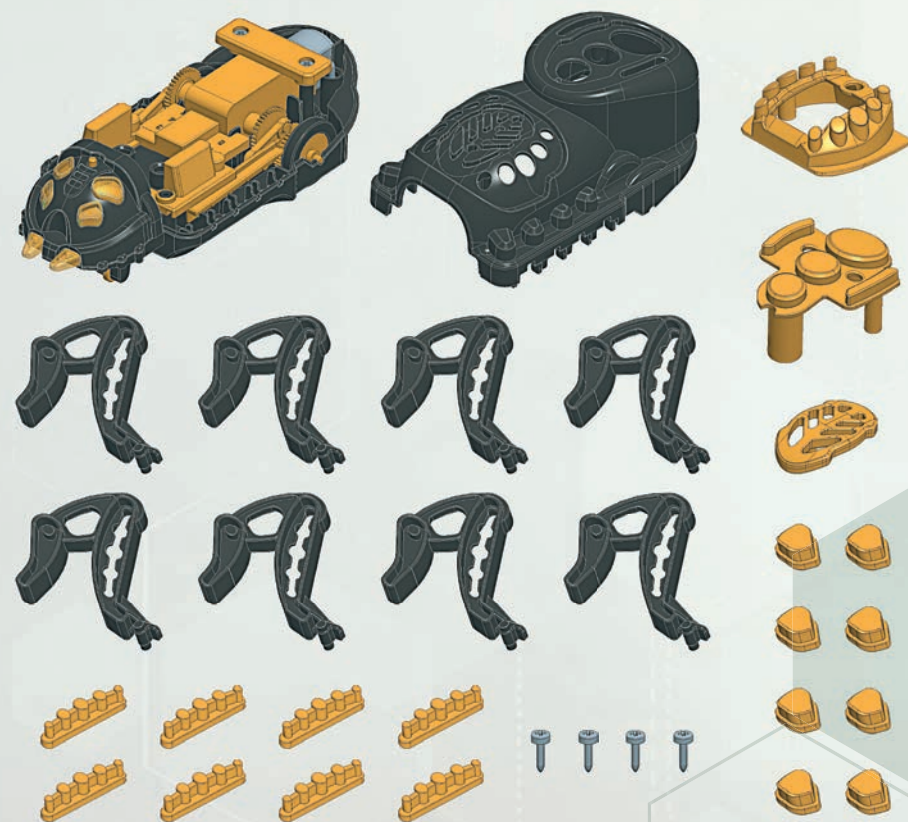
INTRODUCTION

Using this kit you can assemble a robot that moves incredibly realistically, just like a real spider!

The kit consists of easy-to-assemble plastic components. The heart of the movement is an electric motor connected to a toothed rod that moves the eight feet alternately. This mechanism creates the illusion of the feet making the spider walk. In fact, the robot actually moves with the wheels at the base of the body.

During assembly you can see each mechanical component close-up, to better understand how these elements work together to create the characteristic and fascinating leg movement.

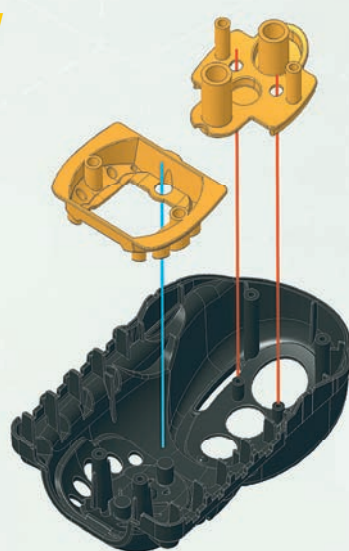
LIST OF COMPONENTS



ASSEMBLY

CAUTION: The colours may vary.

1

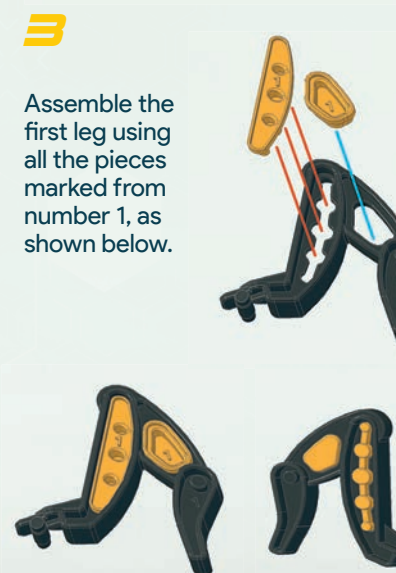


2

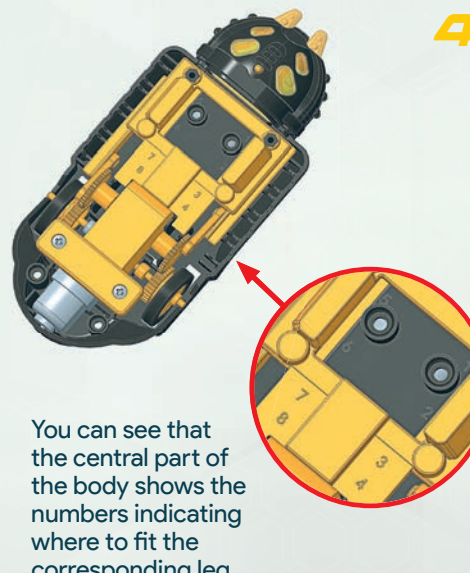


3

Assemble the first leg using all the pieces marked from number 1, as shown below.



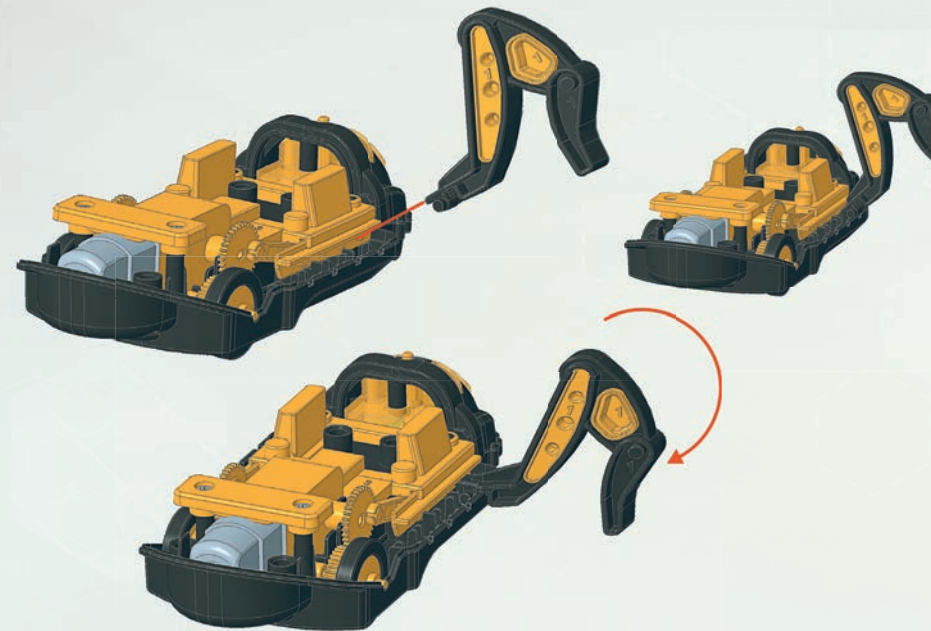
4



You can see that the central part of the body shows the numbers indicating where to fit the corresponding leg.

5

Place leg 1 in the position marked by the number 1, taking care to angle it as shown in the photo.



6

Make sure that the leg is correctly positioned.



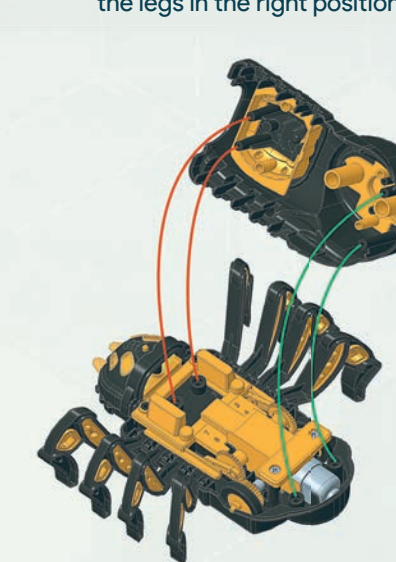
Repeat the steps above for all the legs.

7



8

Close the body by fitting the upper casing, taking care to keep the legs in the right position.



Holding the casings firmly, turn the robot over and fit the screws to complete the assembly.

9



10

