

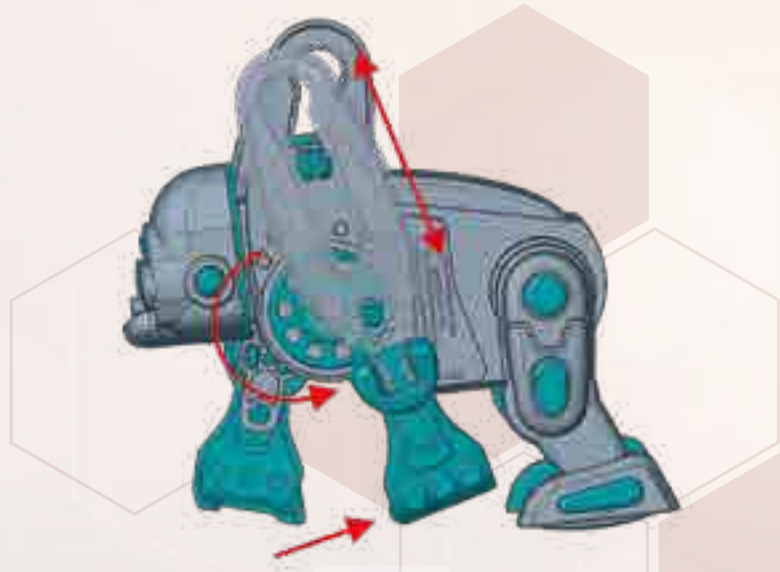
GORILLA ANATOMY AND ECCENTRIC MECHANISM



Gorillas are very large, strong animals with their very own way of moving, known as knuckle-walking.

Imagine walking on all fours, but rather than resting the whole hand on the ground you rest only your knuckles, where your fingers bend. That's just what gorillas do! They use their long, strong arms to support them. It is not the palm of the hands but the knuckles that touch the ground, while the hind legs help them to move forwards.

A small motor in the Gorilla Power body has two axes that move in opposite directions. Two special discs on these axes are called eccentrics. Each disc has a pin on the side, not in the centre. When the discs turn, they push and pull the gorilla's arms on a guide that makes them move backwards and forwards. But the most interesting thing is that the two discs don't turn together but are offset by 180°. This means that when one disk pushes an arm forwards, the other pulls the other arm backwards. And that's how the gorilla seems to move as if it is pressing down on its knuckles!



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INSTRUCTION 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 wheelee 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 wheelee 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.

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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.

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.

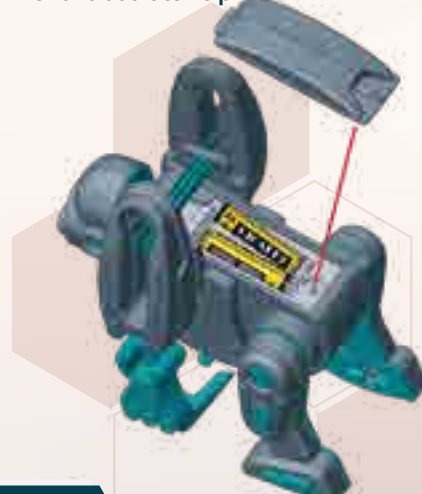
 **Clementoni. Registered on the electronic and electrical manufacturers' register: REGISTRATION IN PROGRESS.**

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: prąd stały 3V 
Batteries: 2x1,5V AAA/LR03
Batteries not included.

HOW TO INSERT BATTERIES Ask and adult to help.



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Science
& play®

ROBOTICS

A N I B O T S
**GORILLA
POWER**



V83516

S.T.E.M.

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

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No:1/144 34746 Ataşehir İstanbul -
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[https://www.clementoni.com/tr/form/Bilgileri referans için saklayınız](https://www.clementoni.com/tr/form/Bilgileri%20referans%20i%20in%20saklayiniz)

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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 Recanati (MC) - Italy - Tel.: +39 071 75811
www.clementoni.com

 **Clementoni®**

PRESENTATION

The kit has everything you need to assemble a moving robot that sounds like a real gorilla! It consists of easy-to-assemble plastic components and includes an electric motor connected to two eccentrics that move the arms alternately, making the robot knuckle-walk, just like a gorilla. Assembling the gorilla, you can see all the mechanical components close-up and understand how this characteristic arm sway is generated.

LIST OF COMPONENTS



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ASSEMBLY

CAUTION: the colours may vary.

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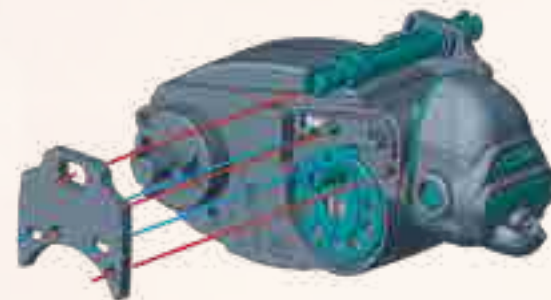


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ON/OFF button integrated into the eyes



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