

## LEGO TECHNIC 42043

# LEGO TECHNIC Mercedes-Benz Arocs 3245 (Model 42043)

## Instruction Manual

### 1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your LEGO TECHNIC Mercedes-Benz Arocs 3245 building kit (Model 42043). This robust 2-in-1 model is designed to offer an engaging building experience with authentic details and advanced motorized functions. It comprises 2793 elements, making it a significant LEGO Technic construction.

### 2. PRODUCT FEATURES

- Features LEGO Power Functions for an array of motorized features, including extendable outriggers, automated crane arm and grabber, and a working tipper body.
- Includes a fully independent suspension system.
- Equipped with a 6-cylinder engine featuring moving pistons.
- Detailed cab with opening doors and tailgate.
- Authentic 3-pointed Mercedes-Benz Star detailing.
- 2-in-1 Model: Rebuilds into a Mercedes-Benz articulated construction truck.
- Mercedes-Benz Arocs 3245 (with retracted crane arm and outriggers) measures over 12" (31cm) high, 21" (54cm) long, and 5" (14cm) wide.
- Mercedes-Benz articulated construction truck (with crane boom extended) measures over 22" (57cm) high, 29" (75cm) long, and 6" (17cm) wide, and 11" (28cm) high with crane boom retracted.
- Suitable for ages 11-16.

### 3. ASSEMBLY INSTRUCTIONS

The LEGO TECHNIC Mercedes-Benz Arocs 3245 is a complex model designed for experienced builders. Follow the step-by-step instructions provided in the included building guide. Ensure all pieces are correctly connected to guarantee proper functionality of the motorized and pneumatic systems. The kit allows for the construction of two distinct models: the Mercedes-Benz Arocs 3245 truck with crane and tipper, or an articulated construction truck. Choose your preferred model and follow the corresponding instructions carefully.

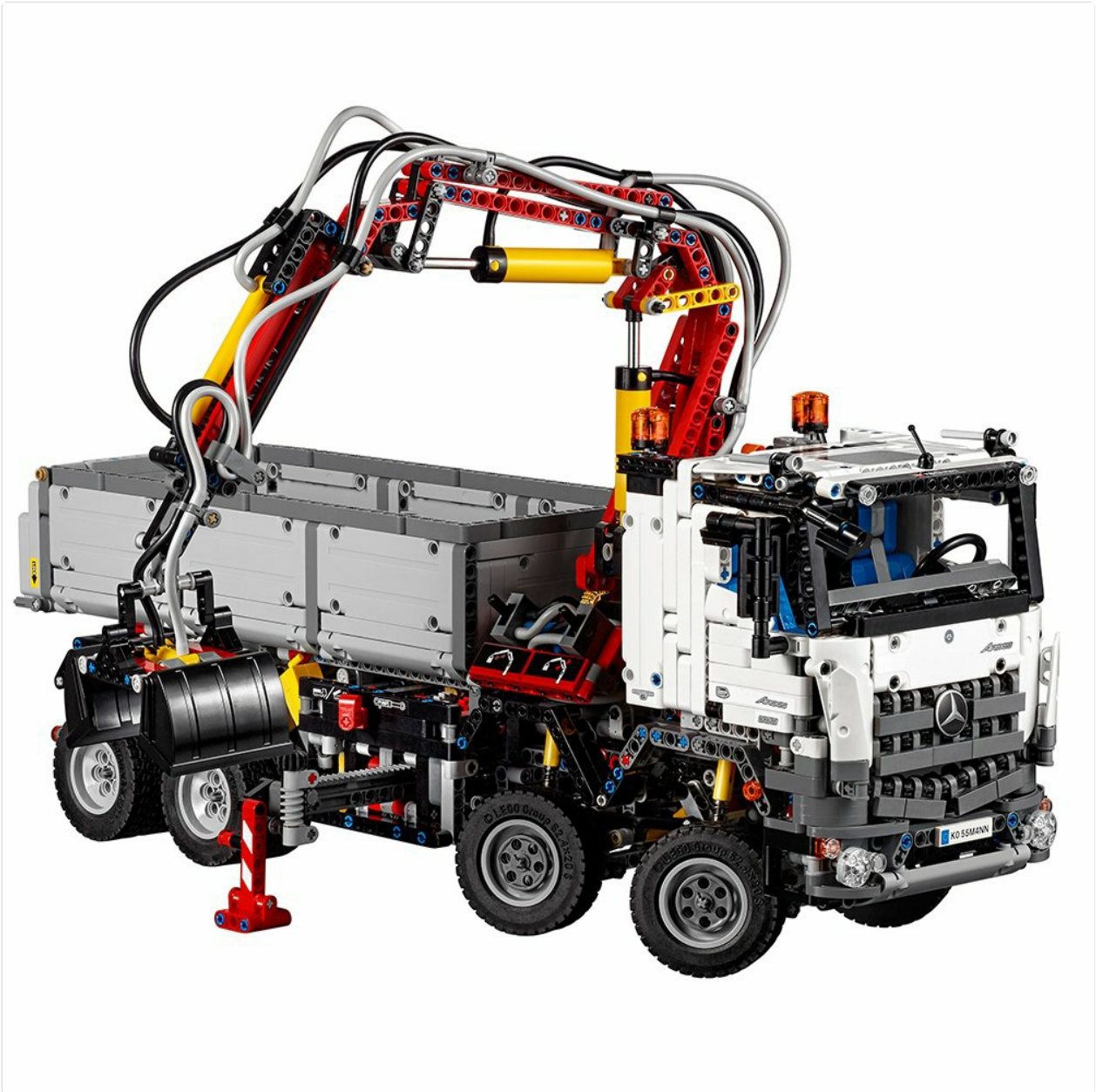


Figure 1: Fully assembled LEGO Technic Mercedes-Benz Arocs 3245 truck with its tipper body raised.



Figure 2: LEGO Technic Mercedes-Benz Arocs 3245 truck with its crane arm fully extended.



Figure 3: The alternative build, a LEGO Technic Mercedes-Benz articulated construction truck.

#### 4. OPERATING MOTORIZED FUNCTIONS

The Mercedes-Benz Arocs 3245 model incorporates LEGO Power Functions and an advanced pneumatic system for various motorized operations:

- **Power Functions Motor:** Activate the included large motor to engage the pneumatic system and other motorized features.
- **Crane Arm:** Use the controls to operate the ultra-versatile crane arm mechanism, including extending and retracting the arm.
- **Grabber:** Control the grabber to open and close, allowing for lifting and moving objects.
- **Outriggers:** Extend the outriggers for increased stability during crane operation.
- **Tipper Body:** Raise and lower the tipper body to simulate loading and unloading.
- **Steering and Suspension:** The model features twin axle steering, double differential drive, and fully independent suspension for realistic movement.
- **Engine:** The driver's cab tilts to reveal a detailed 6-cylinder engine with moving pistons.

Refer to the building instructions for specific control mechanisms and sequences for each function.



Figure 4: Cab tilted forward, revealing the detailed engine.



Figure 5: Detailed crane arm grabber.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your LEGO Technic model, follow these maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth. For deeper cleaning, use a mild soap solution and a soft brush, then rinse thoroughly with clean water and air dry. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the model in a cool, dry place away from direct sunlight to prevent discoloration and material degradation.

- **Handling:** Handle the model with care, especially when operating moving parts, to prevent accidental damage or detachment of elements.

## 6. TROUBLESHOOTING

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If you encounter any issues with your LEGO Technic Mercedes-Benz Arocs 3245, consider the following:

- **Missing Pieces:** If you find any missing pieces during assembly, please contact LEGO Customer Service for replacements.
- **Non-functional Motorized Parts:** Ensure that all Power Functions connections are secure and that batteries (1 Lithium Ion battery required, not included) are correctly installed and charged. Check for any obstructions in the gear mechanisms.
- **Pneumatic System Issues:** Verify that all pneumatic hoses are correctly connected and free from kinks or leaks. Ensure the pump mechanism is operating smoothly.
- **Assembly Errors:** Carefully re-examine the relevant steps in the building instructions if a section of the model is not fitting correctly or functioning as expected.

## 7. SPECIFICATIONS

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Attribute	Detail
Product Dimensions	22.91 x 18.9 x 4.88 inches
Item Weight	9.88 pounds
ASIN	B01FAPFFCC
Item Model Number	6181905
Manufacturer Recommended Age	11 years and up
Batteries	1 Lithium Ion battery required (not included)
Release Date	September 1, 2016
Manufacturer	Lego
What's in the Box	LEGO Building Elements

## 8. WARRANTY AND SUPPORT

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For warranty information, missing parts, or further assistance, please visit the official LEGO Customer Service website or contact their support team directly. The LEGO Group is committed to providing high-quality products and support for its builders.

Official LEGO Website: [www.lego.com](http://www.lego.com)