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LEGO 31117

LEGO Creator 3in1 Space Shuttle Adventure (31117) Instruction Manual

Model: 31117 | Brand: LEGO

1. INTRODUCTION

The LEGO Creator 3in1 Space Shuttle Adventure (31117) building kit offers three distinct space-themed models for construction and play: a Space Shuttle, a Rocket, and a Lunar Lander. This set is designed to inspire imaginative space exploration and creative building for ages 8 and up. The primary Space Shuttle model features a detailed cockpit, opening cargo doors with an extendable arm for satellite deployment, and retractable landing gear. An astronaut minifigure is included, compatible with all three vehicle configurations.



Image: The LEGO Creator 3in1 Space Shuttle Adventure (31117) set, showcasing the main Space Shuttle model.

2. PACKAGE CONTENTS

Upon opening your LEGO Creator 3in1 Space Shuttle Adventure (31117) box, you will find the following components:

- LEGO Building Elements (486 pieces)
- One Astronaut Minifigure
- Printed Instruction Booklets for each of the three models



Image: The Space Shuttle model, astronaut minifigure, and satellite included in the set.

3. ASSEMBLY AND SETUP

This LEGO set is designed for assembly by following the detailed, step-by-step instructions provided in the included physical instruction booklets. Each booklet guides you through building one of the three possible models. It is recommended to sort the LEGO bricks by color and size before beginning assembly to facilitate the building process.

1. Unpack all LEGO building elements and instruction booklets from the box.
2. Choose which of the three models you wish to build first (Space Shuttle, Rocket, or Lunar Lander).
3. Refer to the corresponding instruction booklet and follow the visual steps carefully.
4. Ensure all connections are firm to create a stable model.



Image: A close-up of hands assembling parts of the LEGO Space Shuttle, demonstrating the building process.

4. PRODUCT FEATURES AND OPERATING INSTRUCTIONS

The LEGO Creator 3in1 Space Shuttle Adventure set is packed with interactive features for dynamic play:

- **Space Shuttle Model:**
 - **Cockpit:** Features a detailed control panel. The front section can be opened to place the astronaut minifigure inside.
 - **Cargo Doors:** The main cargo bay doors open to reveal an extendable arm.
 - **Satellite:** A buildable satellite can be attached to the extendable arm and deployed from the cargo bay.
 - **Retractable Landing Gear:** The wheels can be extended for landing or retracted for flight.
- **Astronaut Minifigure:** The included astronaut minifigure comes with a helmet and multi-tool, and can be placed in the cockpit of the Space Shuttle or interact with the Rocket and Lunar Lander models.



Shuttle doors open to reveal extendable satellite

Image: The Space Shuttle model with its cargo bay doors open, revealing the extendable arm and satellite.



Image: A close-up of the astronaut minifigure, showing both helmeted and unhelmeted options.

5. THE 3-IN-1 MODELS

This set allows for the construction of three distinct space vehicles, providing varied building and play experiences:

- **Space Shuttle:** The primary model, featuring a detailed exterior and functional elements like opening cargo doors and retractable landing gear.
- **Rocket Toy:** A classic multi-stage rocket design, ready for launch into imaginative orbits.
- **Lunar Lander:** A four-legged vehicle designed for exploring distant planets and moons.



Image: A collage showing the three possible models that can be built from the set: Space Shuttle, Rocket, and Lunar Lander.

Video: An official merchant video showcasing the LEGO Creator 3in1 Space Shuttle Adventure (31117) building kit and its features.

6. SPECIFICATIONS

Attribute	Detail
Model Number	31117 (Item model number: 6333043)
Brand	LEGO
Recommended Age	8 years and up
Number of Pieces	486

Product Dimensions	15.04 x 10.32 x 2.78 inches
Item Weight	1.85 pounds
Release Date	August 1, 2021

7. MAINTENANCE

To ensure the longevity and cleanliness of your LEGO set, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft brush or a damp cloth with mild soap to gently clean LEGO bricks. Rinse thoroughly with clear water and air dry at room temperature. Avoid hot water, as it may deform the plastic.
- **Storage:** Store your LEGO set in a cool, dry place away from direct sunlight to prevent discoloration and material degradation. Keep small pieces in a container to avoid loss.
- **Handling:** Handle the assembled models with care to prevent pieces from detaching.

8. TROUBLESHOOTING

If you encounter any issues during assembly or play, consider the following common troubleshooting tips:

- **Missing Pieces:** Double-check all packaging and sorting areas. If a piece is genuinely missing, contact LEGO Customer Service for replacement parts.
- **Assembly Difficulties:** Carefully re-examine the instruction booklet for the current step. Ensure all pieces are correctly oriented and firmly pressed together. Sometimes, a small error in an earlier step can affect later assembly.
- **Model Instability:** Verify that all connections are secure. Loose connections can lead to parts detaching or the model feeling flimsy.

9. WARRANTY AND SUPPORT

LEGO products are manufactured to high-quality standards. For any concerns regarding product quality, missing parts, or general inquiries, please refer to the official LEGO website or contact their customer service directly. Information on warranty and support can typically be found on the LEGO Group's official channels.

For further assistance, visit: www.lego.com/service

