

LEGO 42020

LEGO TECHNIC 42020 Twin-Rotor Helicopter Model Kit User Manual

INTRODUCTION

This manual provides detailed instructions for assembling and operating the LEGO TECHNIC 42020 Twin-Rotor Helicopter Model Kit. This 2-in-1 set allows for the construction of either a Twin-Rotor Helicopter or a Single-Rotor Helicopter, offering versatile building and play experiences. Please read all instructions carefully before beginning assembly.

SAFETY INFORMATION

WARNING: CHOKING HAZARD - Small Parts.

This item contains small parts and is intended for children over seven (7) years of age. Adult supervision is recommended for younger children to ensure safe assembly and play. Keep small parts away from infants and young children to prevent accidental ingestion.

INCLUDED COMPONENTS

The LEGO TECHNIC 42020 Twin-Rotor Helicopter Model Kit includes the following:

- LEGO building pieces (145 pieces total)
- Product Manual (this instruction booklet)

Please verify that all components are present before starting assembly. Refer to the parts list in the physical product manual for a complete inventory.

SETUP AND ASSEMBLY

The LEGO TECHNIC 42020 set offers a 2-in-1 building experience, allowing you to construct either a Twin-

Rotor Helicopter or a Single-Rotor Helicopter. Follow the step-by-step instructions provided in the physical product manual included in your kit.



Image: Front of the LEGO TECHNIC 42020 box, displaying the Twin-Rotor Helicopter model and key product details.

Building the Twin-Rotor Helicopter: This is the primary model. The instructions will guide you through connecting the various Technic elements to form the helicopter's chassis, rotors, and functional components.



Image: The fully assembled LEGO TECHNIC 42020 Twin-Rotor Helicopter, showcasing its design and features.

Rebuilding into a Single-Rotor Helicopter: The set can be reconfigured into an alternative model. The physical manual provides separate instructions for this build. This process involves disassembling parts of the primary model and reassembling them according to the alternative design.



Image: Back of the LEGO TECHNIC 42020 box, highlighting the ability to build two different models from the same set.



Image: The alternative build, a Single-Rotor Helicopter, constructed from the LEGO TECHNIC 42020 set.

Ensure all connections are secure for structural integrity and proper function of moving parts.

OPERATING INSTRUCTIONS

Once assembled, the LEGO TECHNIC 42020 Twin-Rotor Helicopter features several interactive elements:

- **Linked Spinning Rotors:** The main rotors are connected via gear wheels, allowing them to spin together when manually operated.
- **Turning Front Wheel:** The front wheel can be turned, enabling ground taxiing.
- **Opening Cargo Door:** The helicopter includes an opening cargo door for imaginative play scenarios.

To operate, gently spin the rotors by hand. The turning front wheel allows for movement on flat surfaces. The cargo door can be opened and closed manually.

MAINTENANCE

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

- **Cleaning:** Dust the model regularly with a soft, dry cloth or a soft brush. For deeper cleaning, LEGO bricks can be washed by hand using water no warmer than 104°F (40°C) and a mild detergent. Rinse thoroughly with clear water and air dry at room temperature. Do not use hot water, washing machines, or dryers.
- **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 moving it, to avoid accidental disassembly of delicate parts.

TROUBLESHOOTING

If you encounter issues during assembly or operation, consider the following:

- **Missing Pieces:** Double-check the packaging and surrounding area. If a piece is genuinely missing, contact LEGO Customer Service.
- **Incorrect Assembly:** Review the steps in the physical instruction manual carefully. Sometimes a small error in an earlier step can affect later connections. Disassemble the problematic section and re-build it.
- **Parts Not Fitting:** Ensure you are using the correct parts as indicated in the manual. LEGO Technic elements often look similar but have subtle differences.
- **Moving Parts Not Functioning:** Check for any obstructions or incorrectly placed gears/axles. Ensure all connections are firm but not overly tight, which could cause friction.

SPECIFICATIONS

Brand:	LEGO
Model Name:	Twin-Rotor Helicopter

Model Number:	42020
Number of Pieces:	145
Item Dimensions (L x W x H):	8.66 x 5.12 x 3.15 inches (approx. 22 x 13 x 8 cm)
Item Weight:	0.6 Kilograms
Material Type:	Acrylonitrile Butadiene Styrene (ABS)
Recommended Age:	7-14 years (Manufacturer Minimum Age: 84 months)
Operation Mode:	Manual

WARRANTY INFORMATION

The manufacturer states "No Warranty" for this product. For any concerns regarding product quality or missing parts, please refer to the customer support section.

CUSTOMER SUPPORT

For assistance with missing parts, building challenges, or general inquiries about your LEGO product, please visit the official LEGO customer service website or contact their support line. You can often find detailed building instructions and FAQs on the [LEGO Customer Service](#) page.

When contacting support, please have your model number (42020) and any relevant part numbers ready.