

## LEGO 42172

# LEGO Technic McLaren P1 Hypercar (Model 42172) Instruction Manual

Brand: **LEGO** | Model: **42172**

## 1. INTRODUCTION

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This manual provides detailed instructions for assembling and understanding the features of your LEGO Technic McLaren P1 Hypercar (Model 42172). This advanced building set is designed for adult enthusiasts and offers an immersive construction experience, culminating in a highly detailed 1:8 scale model.

The completed model showcases intricate engineering, including a functional V8 piston engine, a 7-speed gearbox with a shifter drum, working suspension, adjustable rear wing, and butterfly-style opening doors. Each set includes a unique serial number, providing access to exclusive online content.



Image: The LEGO Technic McLaren P1 Hypercar set, showing the product box and the fully assembled model with its distinctive yellow and black design.

## 2. WHAT'S IN THE BOX

Your LEGO Technic McLaren P1 Hypercar set contains 3,893 LEGO building elements, organized into numbered bags to facilitate the building process. The box also includes comprehensive instruction manuals and a sheet of stickers for detailing the model.

- 3,893 LEGO Building Elements
- Detailed Instruction Manuals (multiple volumes)
- Sticker Sheet for authentic detailing
- Unique Serial Number Tile

## 3. ASSEMBLY INSTRUCTIONS

The assembly of the LEGO Technic McLaren P1 Hypercar is a multi-stage process designed to be rewarding and engaging. Follow the step-by-step instructions provided in the included manuals. It is recommended to sort pieces by color and type before beginning each section.

### 3.1. Getting Started

- Unpack all numbered bags and instruction manuals.
- Ensure you have a clear, well-lit workspace.
- Download the [LEGO Builder app](#) for 3D building instructions, which allows you to zoom in, rotate your model, and track your progress.



Image: A builder utilizing the LEGO Builder app on a tablet to follow 3D instructions for the McLaren P1 assembly, surrounded by sorted LEGO elements.

### 3.2. Key Assembly Stages

1. **Chassis and Core Structure:** Begin by constructing the robust chassis, which forms the foundation of the hypercar.
2. **V8 Piston Engine and 7-Speed Gearbox:** Assemble the detailed V8 piston engine and the functional 7-speed gearbox with its intricate shifter drum. Pay close attention to the gear mechanisms for proper operation.
3. **Suspension System:** Integrate the working suspension components, designed to mimic the real vehicle's dynamics.
4. **Bodywork and Aerodynamics:** Attach the iconic yellow and black body panels, including the adjustable rear wing.
5. **Interior Details:** Construct the detailed cockpit, including the steering wheel and seating.
6. **Opening Doors:** Install the unique butterfly-style opening doors.
7. **Wheels and Tires:** Mount the custom wheels and tires.
8. **Unique Serial Number Tile:** Locate and apply the unique serial number tile to your model. This provides access to exclusive online content.



# BUILD THE 7-SPEED GEARBOX AND V8 PISTON ENGINE

Image: Close-up of the intricate V8 piston engine and 7-speed gearbox assembly within the LEGO Technic McLaren P1 model.



Image: A detailed view of the unique serial number tile, which is a special feature of the LEGO Technic McLaren P1 model.

## 4. OPERATING FEATURES

Once assembled, your LEGO Technic McLaren P1 Hypercar features several interactive elements:

- **Opening Butterfly Doors:** The doors can be opened upwards, mimicking the iconic design of the real McLaren P1.
- **Adjustable Rear Wing:** The rear wing can be manually adjusted to different positions.
- **Working Steering:** The steering wheel is connected to the front wheels, allowing for directional control.
- **Functional V8 Piston Engine:** The pistons in the engine move when the rear wheels are turned.
- **7-Speed Gearbox:** The gearbox can be operated via the shifter drum, demonstrating the internal mechanisms.



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McLaren



## SCALE MODEL HYPERCAR BUILDING KIT FOR ADULTS

Image: The fully built LEGO Technic McLaren P1 model displayed with its distinctive butterfly doors in the open position.

Your browser does not support the video tag.

Video: Official showcase of the LEGO Technic McLaren P1 (Model 42172), highlighting its design and functional elements.

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Video: A comparison video of the LEGO Technic McLaren P1 (Model 42172), demonstrating its features in detail.

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Video: An overview video of the LEGO Technic McLaren P1 (Model 42172), showcasing its various functions and design elements.

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Video: A 360-degree spin of the LEGO Technic McLaren P1 (Model 42172), allowing for a comprehensive view of the model from all angles.

### 5. MAINTENANCE

To ensure the longevity and appearance of your LEGO Technic McLaren P1 model, follow these maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth or a soft-bristled brush. For deeper cleaning, use a mild soap solution and a soft cloth, then rinse 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 or warping of plastic elements.
- **Handling:** Handle the model carefully, especially when operating movable parts, to avoid accidental damage or detachment of pieces.

## 6. TROUBLESHOOTING

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Should you encounter any issues during assembly or with the completed model, consider the following:

- **Missing Pieces:** If you find any missing pieces, please contact LEGO Customer Service directly. They have a dedicated service for replacing missing or broken elements.
- **Assembly Errors:** Carefully re-examine the instruction manual for the specific step where the issue occurred. Often, a small piece may be misplaced or oriented incorrectly. The LEGO Builder app's 3D view can be particularly helpful for identifying such errors.
- **Functional Issues:** If a mechanism (e.g., gearbox, doors, steering) is not operating smoothly, check all connections and ensure no pieces are obstructing movement. Lubrication is generally not required or recommended for LEGO Technic elements.

## 7. SPECIFICATIONS

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Feature	Detail
Product Dimensions (L x W x H)	23 in. (59 cm) x 9.5 in. (25 cm) x 5.5 in. (14 cm)
Item Weight	16.98 pounds
Model Number	42172
Number of Pieces	3,893
Recommended Age	18 years and up
Release Date	September 1, 2024

## 8. WARRANTY AND SUPPORT

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LEGO products are manufactured to high-quality standards. If you experience any issues with your LEGO Technic McLaren P1 Hypercar set, including missing or defective parts, please contact LEGO Customer Service.

For direct support, visit the official LEGO website and navigate to their customer service section. You will typically find options for requesting replacement parts, downloading digital instructions, and contacting support representatives.

The unique serial number included with your model may also provide access to specific support resources or exclusive online content related to this set.

