

Manuals.plus /

› Reobrix /

› Reobrix V8 Engine Building Set - Instruction Manual (Model 33015)

Reobrix 33015

Reobrix V8 Engine Building Set - Instruction Manual

Model: 33015

INTRODUCTION

Thank you for choosing the Reobrix V8 Engine Building Set. This kit provides a detailed and engaging experience in mechanical engineering, allowing you to construct a realistic V8 engine model with 1101 pieces. Designed for adults and teens aged 14 and up, this set offers a hands-on approach to understanding the intricate workings of an internal combustion engine. The finished model features authentic V8 engine replica details, realistic motion, and is suitable for display.



Image: The Reobrix V8 Engine Building Set, showcasing its detailed design as a classic replica.

SAFETY INFORMATION

- This product contains small parts and is not suitable for children under 3 years old due to choking hazards.
- Adult supervision is recommended during assembly, especially for younger users.
- Keep all packaging materials away from children.
- Do not expose the model to extreme temperatures or direct sunlight for prolonged periods.
- Ensure all electrical connections are made correctly to prevent damage to the motor or battery pack.

PACKAGE CONTENTS

The Reobrix V8 Engine Building Set includes:

- 1101 building block pieces for the V8 engine model.
- 1 x L Motor for realistic engine motion.
- 1 x Battery Box to power the motor.
- Illustrated step-by-step instruction manual.
- Additional components: Transmission Belt, Rotating Wheel, Linkage Rod.



Image: An overview of the product, showing its dimensions (9.45 x 8.27 x 7.68 inches) and key components like the transmission belt, rotating wheel, linkage rod, L motor, and battery box.

SETUP AND ASSEMBLY INSTRUCTIONS

Follow the detailed, step-by-step illustrated manual included in the box. Each stage of assembly is clearly outlined to ensure a smooth building process. Organize your pieces by type or color to facilitate construction.

Key Assembly Steps:

1. Begin by identifying and sorting the pieces as per the manual's initial guidance.

2. Assemble the core engine block, ensuring all connections are secure.
3. Integrate the multi-gear mechanism and 8-cylinder IC engine linkage system. Pay close attention to gear alignment for proper function.
4. Attach the turbocharging components and metal spray-painted precision parts for enhanced realism.
5. Install the L Motor and Battery Box, connecting them according to the wiring diagrams provided.
6. Complete the exterior detailing and ensure all moving parts operate freely.



Image: A close-up view of the multi-gear mechanism, highlighting the intricate gear system.



Image: Detailed view of the 8-cylinder IC engine linkage system, showing piston movement.



Image: Close-up of the turbocharging components, adding to the realistic design.



Image: Illustrates the metal spray-painted precision parts for a premium finish.

OPERATING INSTRUCTIONS

Once fully assembled, your Reobrix V8 Engine model can demonstrate realistic motion:

1. Ensure the Battery Box is loaded with the required batteries (not included) and properly connected to the L Motor.
2. Locate the power switch on the Battery Box.
3. Turn the switch to the 'ON' position to activate the motor.
4. Observe the internal linkage system: the pistons will move with the crankshaft, simulating a working V8 engine. The high-speed turbine will also operate.
5. To stop the motion, turn the power switch to the 'OFF' position.

Demonstration Video:

Video: Watch the Reobrix V8 Engine Building Kit in action, demonstrating its realistic mechanical movements and features.

MAINTENANCE

- Keep the model clean by gently wiping it with a dry, soft cloth. Avoid using harsh chemicals or abrasive materials.
- Periodically check all connections and moving parts to ensure they are secure and free from obstruction.
- If the model will not be used for an extended period, remove the batteries from the Battery Box to prevent leakage and corrosion.
- Store the model in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem: Engine does not move.

- **Solution 1:** Check if the batteries in the Battery Box are correctly inserted and have sufficient charge. Replace if necessary.
- **Solution 2:** Ensure all electrical connections between the Battery Box, L Motor, and other components are firm and correctly aligned.
- **Solution 3:** Verify that no pieces are obstructing the movement of gears or pistons. Gently rotate the

crankshaft manually to check for any resistance.

Problem: Parts are loose or fall off.

- **Solution:** Re-examine the assembly steps in the manual for the affected section. Ensure all pieces are pressed firmly into place.

SPECIFICATIONS

- **Model Number:** 33015
- **Number of Pieces:** 1101 PCS
- **Recommended Age:** 14+ years
- **Assembled Dimensions:** Approximately 9.45 x 8.27 x 7.68 inches
- **Item Weight:** 3.05 pounds
- **Power Source:** 1 x L Motor, 1 x Battery Box (batteries not included)
- **Material:** High-quality ABS plastic

WARRANTY AND SUPPORT

Reobrix products are designed for quality and durability. For any missing parts, manufacturing defects, or assembly assistance, please contact our customer support team.

Contact Information:

- Please refer to the contact details provided on the product packaging or the official Reobrix website for the most up-to-date support information.
- When contacting support, please have your model number (33015) and purchase details ready.