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> [Mould King 12027 SD40-2 Diesel Locomotive Train Building Set Instruction Manual](#)

## Mould King 12027

# Mould King SD40-2 Diesel Locomotive Train Building Set

MODEL: 12027



Mould King 12027 SD40-2 Diesel Locomotive Train Building Set, featuring the locomotive, semi-trailer, crane, and track layout.

# 1. Introduction

This instruction manual provides detailed guidance for the assembly, operation, and maintenance of the Mould King 12027 SD40-2 Diesel Locomotive Train Building Set. This set is designed for enthusiasts aged 14 and up, comprising 1648 building blocks to construct a realistic SD40-2 diesel locomotive, a semi-trailer, and a crane. The model features both remote control and mobile application (APP) control capabilities for an interactive experience.

## 2. Safety Information

No specific safety information was provided with the product data. However, general safety precautions should always be observed:

- **Small Parts Warning:** This product contains small parts and is not suitable for children under 3 years due to choking hazards.
- **Age Recommendation:** The manufacturer recommends this product for ages 14 years and up.
- **Battery Safety:** Ensure proper handling and installation of the included Lithium Metal battery. Do not attempt to open, crush, or expose the battery to extreme temperatures.
- **Supervision:** Adult supervision is recommended during assembly and operation, especially for younger users within the recommended age range.

## 3. Package Contents

The Mould King 12027 SD40-2 Diesel Locomotive Train Building Set includes:

- Building blocks for the SD40-2 Diesel Locomotive, semi-trailer, and crane (total 1648 pieces).
- Train tracks.
- High-performance motors and smart chips.
- Handheld remote control.
- Rechargeable lithium-ion battery (1 included).
- Instruction Manual.

## 4. Setup & Assembly

Follow the step-by-step instructions provided in the included physical instruction manual for detailed assembly. The building process involves constructing the locomotive, semi-trailer, crane, and laying out the train tracks.

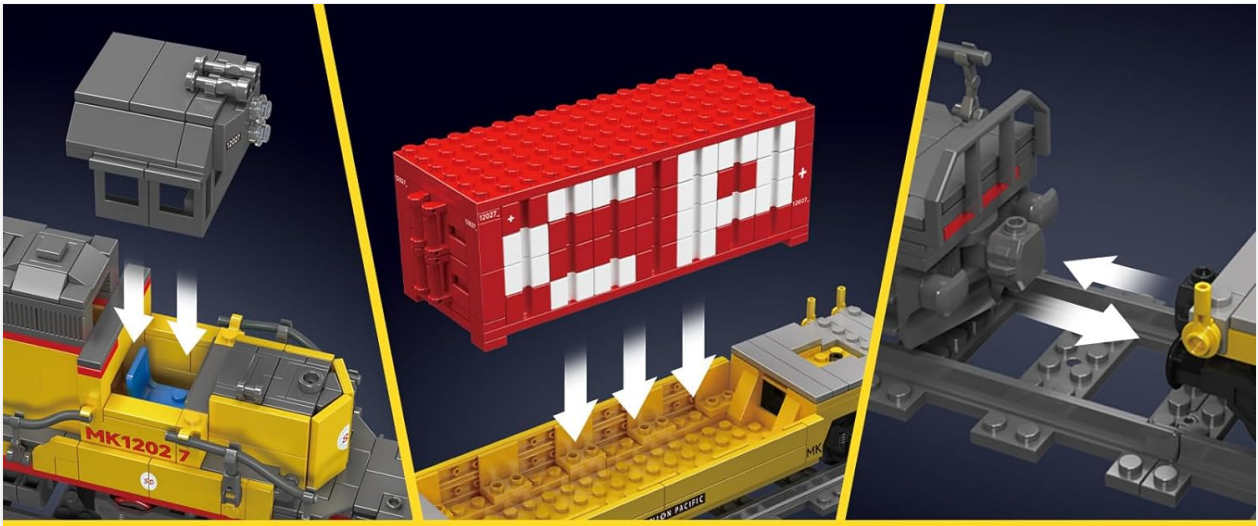
### 4.1. General Assembly Steps

1. Unpack all components and verify against the parts list in the manual.
2. Begin assembly of the locomotive, followed by the semi-trailer and crane, as per the manual's sequence.
3. Assemble the train tracks to form the desired layout. The track dimensions are approximately 117.1 cm (46.1 in) in length and 70.7 cm (27.8 in) in width for an oval layout.
4. Ensure all connections are secure to prevent parts from detaching during operation.

4.2. Visual Assembly Guide



Image: Components of the Mould King 12027 set laid out, ready for assembly.



## SD40-2 Diesel Locomotive

Image: A closer look at the assembled Mould King 12027 set, highlighting the locomotive, semi-trailer, and crane.



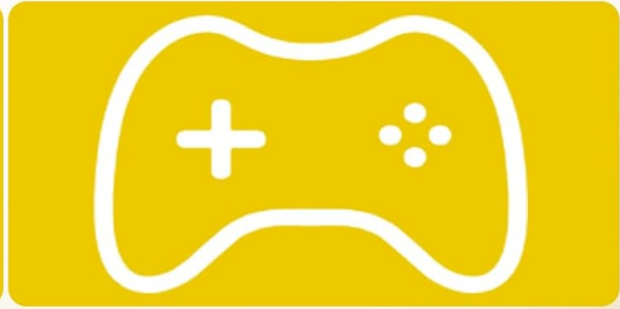


## AN IMMERSIVE AND REWARDING BUILDING EXPERIENCE

Image: Dimensions of the accompanying crane and semi-trailer truck.

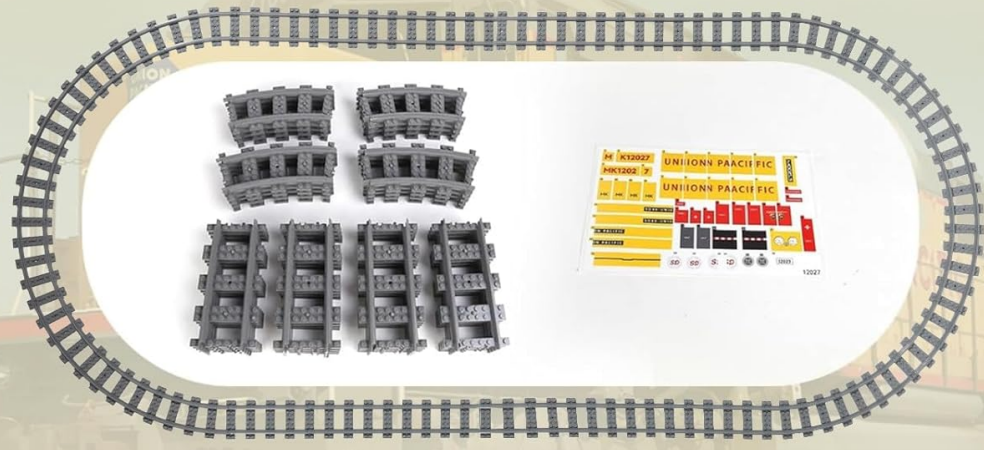


APP Control



Remote Control

### Train Track Size



117.1cm/46.1in

70.7cm/27.8in

# Remote/App Control Mode

Image: The fully assembled Mould King 12027 set, ready for operation.



Image: Overview of the remote control and app control interfaces, alongside the track layout dimensions.



Image: A user engaged in the assembly process of the Mould King 12027 building set.

### 4.3. Assembly Video (Mould King 12027)

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Video: A brief overview of the Mould King 12027 Diesel Locomotive Train, demonstrating its assembly and features.

### 4.4. Related Assembly Video (Mould King Train Sets)

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Video: This video showcases the assembly and features of various Mould King train building block kits, including model 12027, 12026, and 12024.

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Video: This video demonstrates the assembly and operation of a Mould King Diesel Locomotive Train (Model 12038), which shares similar features with the 12027 model.

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## 5. Operating Instructions

The Mould King 12027 train set offers two primary control methods: a handheld remote control and a mobile phone application (APP).

### 5.1. Battery Installation and Charging

- Locate the battery compartment on the locomotive.
- Insert the included rechargeable lithium-ion battery, ensuring correct polarity.
- Charge the battery fully before first use and whenever power is low. Refer to the specific charging instructions in your physical manual.

### 5.2. Remote Control Operation

- Ensure the remote control has fresh batteries installed.

- Turn on the locomotive and the remote control. They should automatically pair.
- Use the joystick or directional buttons on the remote to control the train's movement (forward, backward, stop).

### 5.3. Mobile App Control

- Download the official Mould King control app from your device's app store.
- Enable Bluetooth on your mobile device.
- Open the app and follow the on-screen instructions to connect to your Mould King 12027 locomotive.
- The app provides a virtual control interface for driving the train and potentially other functions.

### 5.4. Operational Features

- **Powerful Motor:** The locomotive is equipped with a heavy-duty motor for powerful movement.
  - **Magnetic Coupling:** The train cars connect via strong magnetic attraction.
  - **Realistic Details:** The set includes realistic details on the locomotive, semi-trailer, and crane, enhancing the play experience.
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## 6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Mould King building set.

- **Cleaning:** Use a soft, dry cloth to gently wipe dust from the blocks and electronic components. Avoid using water or harsh cleaning agents.
  - **Storage:** Store the set in a cool, dry place away from direct sunlight and extreme temperatures. Disassemble if storing for extended periods to prevent dust accumulation and maintain block integrity.
  - **Battery Care:** Remove the battery if the set will not be used for a long time. Follow battery manufacturer guidelines for charging and disposal.
  - **Connection Points:** Periodically check all block connections and magnetic couplings for tightness and wear.
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## 7. Troubleshooting

If you encounter issues with your Mould King 12027 set, consider the following common troubleshooting steps:

- **Train Not Moving:**
  - Ensure the battery is fully charged and correctly installed.
  - Verify the locomotive and remote/app are powered on and properly paired.
  - Check for any obstructions on the tracks or wheels.
- **Remote/App Connection Issues:**
  - Restart both the locomotive and the control device (remote or phone).
  - Ensure Bluetooth is enabled on your mobile device for app control.
  - Confirm you are within the effective range of the remote control or Bluetooth connection.
- **Parts Detaching:**
  - Re-attach any loose blocks firmly.

- Ensure the track pieces are securely connected to each other.

For persistent issues or missing parts, please contact Mould King customer support.

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## 8. Specifications

Feature	Detail
Product Dimensions	23.9 x 2.6 x 4.17 inches
Item Weight	4.62 pounds
Item Model Number	12027
Manufacturer Recommended Age	14 years and up
Batteries	1 Lithium Metal battery required (included)
Number of Pieces	1648
Control Methods	Remote Control / Mobile App Control

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## 9. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official Mould King website or contact their customer service directly. You can also visit the [Mould King Store on Amazon](#) for additional resources.