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Revell 02165

Revell 02165 Big Boy Locomotive Model Kit Instruction Manual

Model: 02165 | Brand: Revell

1. INTRODUCTION

Thank you for choosing the Revell 02165 Big Boy Locomotive model kit. This kit allows you to construct a detailed replica of one of the longest and largest steam locomotives ever built. This manual provides comprehensive instructions for assembly, decal application, and general care to ensure a successful and enjoyable building experience.



Image 1.1: The Revell 02165 Big Boy Locomotive model kit box, showing the completed model and scale information.

2. SAFETY INFORMATION

Please read and understand all safety warnings before beginning assembly. This model kit contains small parts and requires the use of sharp tools and adhesives. Adult supervision is recommended for younger builders.

- **Small Parts:** Keep small parts away from children under 3 years of age to prevent choking hazards.
- **Sharp Tools:** Exercise caution when using hobby knives, clippers, and other sharp tools. Always cut away from your body.
- **Adhesives and Paints:** Use model adhesives and paints in a well-ventilated area. Avoid inhaling fumes. Refer to the specific product's safety data sheet for detailed information.
- **Eye Protection:** Consider wearing eye protection during assembly, especially when cutting or sanding.

3. PACKAGE CONTENTS

Verify that all components are present before starting assembly. The kit includes:

- Plastic model parts (87 pieces)
- Decal sheet for 2 Union Pacific versions
- Illustrated assembly instructions

Note: Adhesives, paints, and tools are sold separately and are required for assembly.

4. ASSEMBLY INSTRUCTIONS

This model kit is rated skill level 3. Follow the illustrated assembly instructions provided in the box carefully. The following sections highlight key areas of assembly.

4.1. Preparing Parts

Carefully remove all parts from the sprues using a hobby knife or clippers. Smooth any rough edges or flash with fine-grit sandpaper or a modeling file. Test fit parts before applying adhesive.

4.2. Chassis and Wheel Assembly

Begin by assembling the main chassis components. Pay close attention to the intricate wheel assemblies. The design allows for movable wheels, which requires precise alignment during construction.

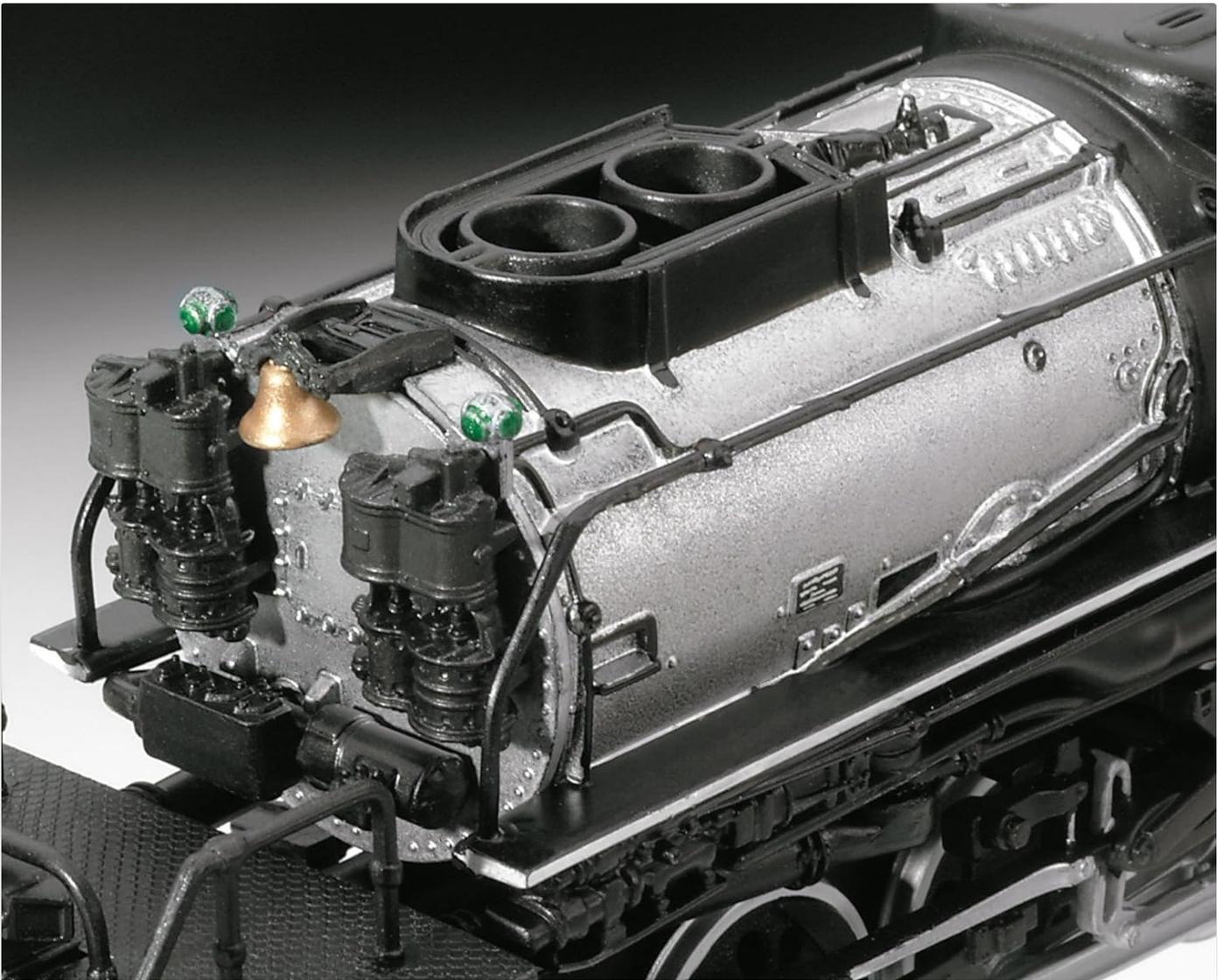


Image 4.2.1: Close-up of the detailed and movable wheel assembly, showing connecting rods and drive wheels.

4.3. Boiler and Engine Details

Assemble the boiler sections, ensuring a secure fit. Attach the various pipes, valves, and other engine details as indicated in the instructions. These components contribute significantly to the model's realistic appearance.

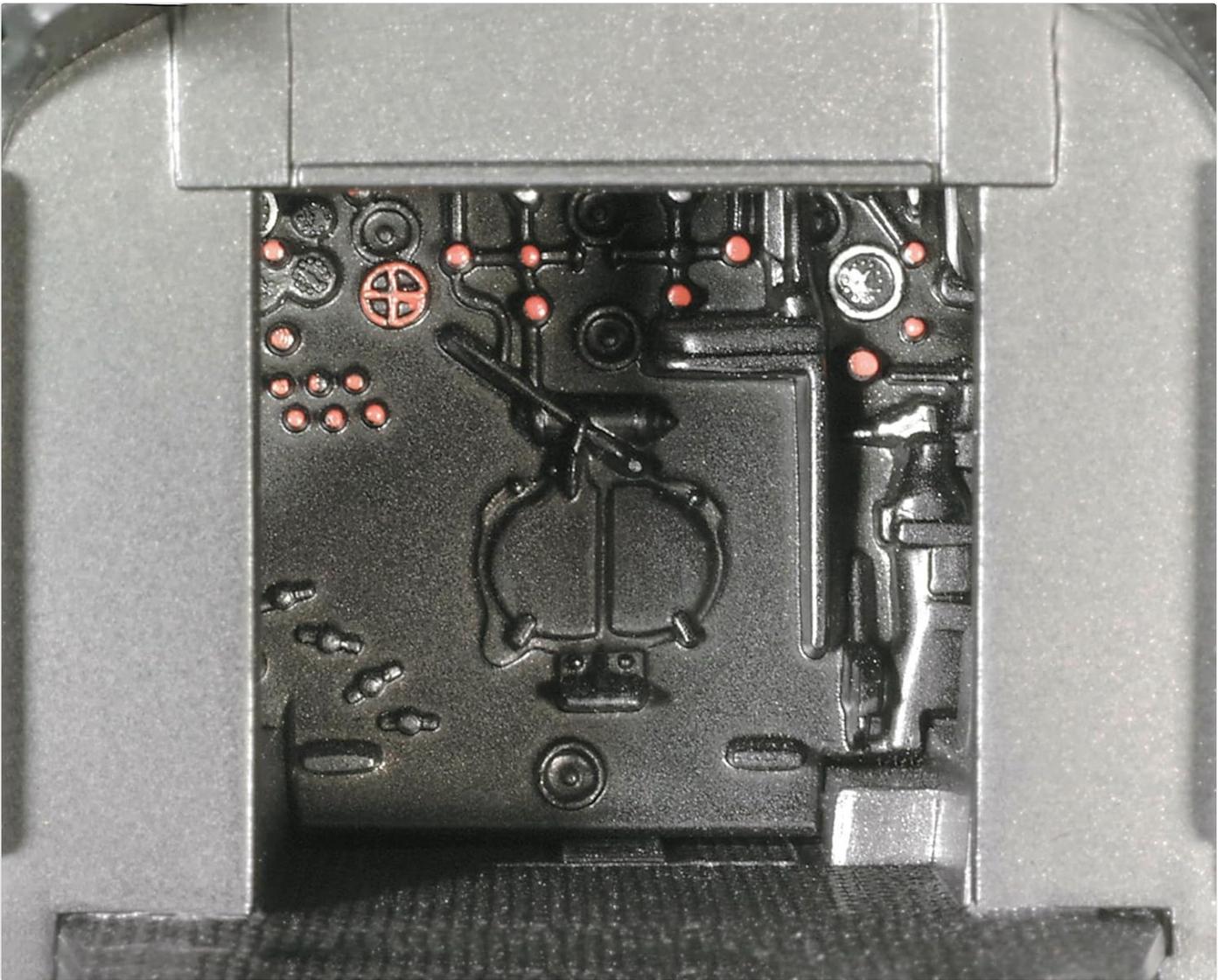


Image 4.3.1: Detailed view of the locomotive's boiler, featuring various pipes, a bell, and other fixtures.

4.4. Driver's Cab Assembly

Construct the detailed driver's cab. This section includes various controls and gauges, adding to the authenticity of the model. Carefully paint these small details before final assembly for the best results.

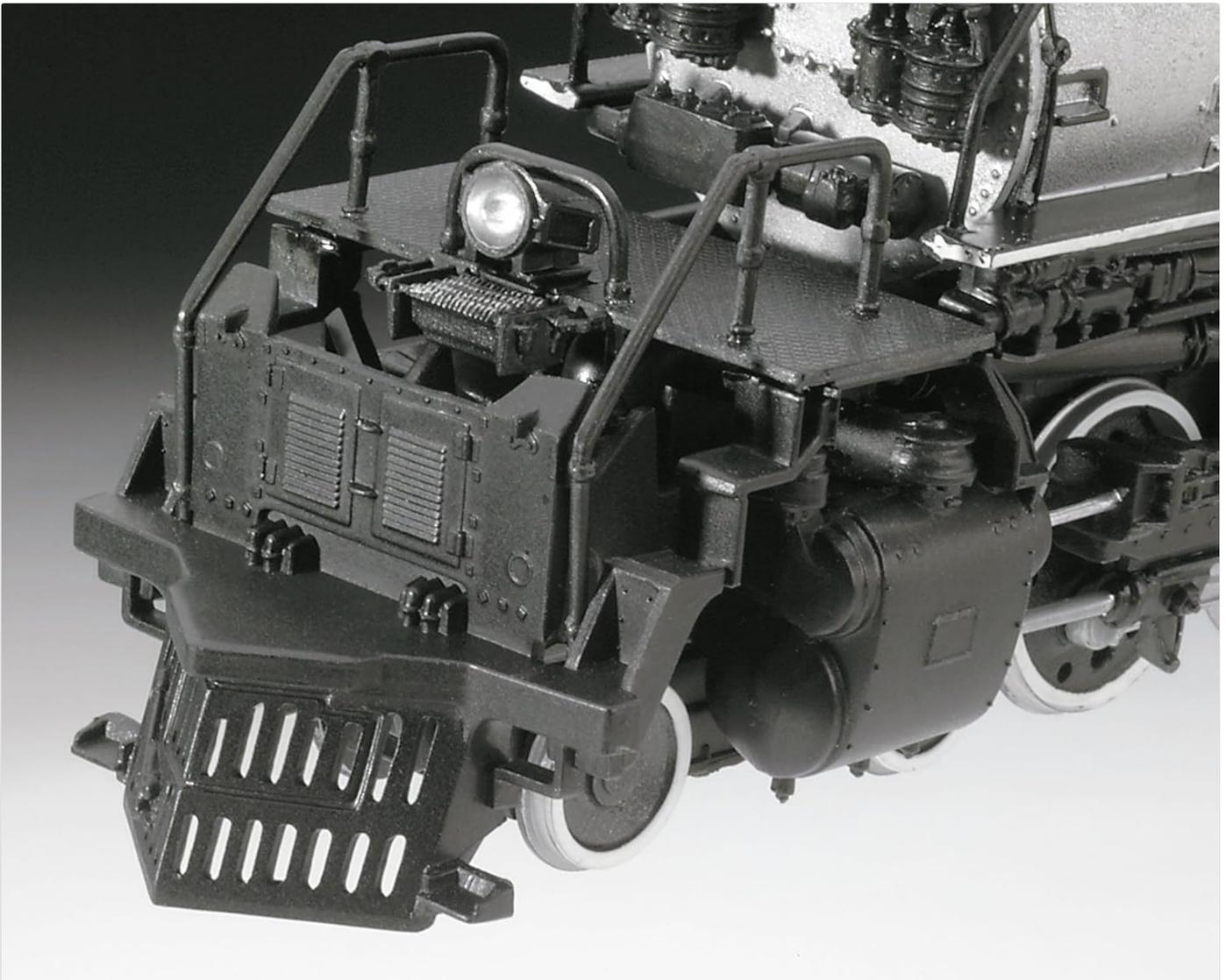


Image 4.4.1: Interior view of the locomotive's driver's cab, showing the intricate control panel and seating area.

4.5. Front Section and Cowcatcher

Assemble the front section of the locomotive, including the headlight and cowcatcher. Ensure these parts are securely attached and aligned.



BIG BOY Locomotive

1:87

Plastik-Modellbausatz
Plastic model kit
Modèle réduit
Modelbouwdoos

<-> 46,4 cm

Illustration,
Illustration,
Illustration,
Illustration,
Daniel Frka

02165



Image 4.5.1: Front view of the Revell Big Boy Locomotive model, highlighting the cowcatcher, front wheels, and headlight.

4.6. Tender Assembly

Assemble the tender, which attaches to the rear of the locomotive. This section often includes details such as coal bunkers or fuel tanks, and additional wheel sets.



Image 4.6.1: Side view of the locomotive's tender, showing its wheels and side panel details.



Image 4.6.2: Another side view of the locomotive's tender, providing a different perspective on its structure.

5. DECAL APPLICATION

Once the model is fully assembled and painted (if desired), apply the decals. The kit includes decals for two Union Pacific versions. Follow these steps for best results:

1. Cut out the desired decal close to the image.
2. Dip the decal in lukewarm water for 10-20 seconds until it slides freely on its backing paper.
3. Carefully slide the decal onto the model surface.
4. Position the decal using a soft brush or cotton swab.
5. Gently blot away excess water with a tissue.
6. Allow the decal to dry completely. A decal setting solution can be used for better adhesion and to conform to irregular surfaces.

6. PAINTING GUIDE

While not strictly required, painting your model will significantly enhance its realism and detail. The instruction manual provides guidance on recommended paint colors. For optimal results:

- Clean all plastic parts thoroughly before painting to remove mold release agents or oils.
- Apply thin, even coats of paint. Multiple thin coats are better than one thick coat.

- Allow each coat to dry completely before applying the next.
- Use appropriate primers for better paint adhesion.
- Consider weathering techniques to add realism to the locomotive's appearance.

7. FEATURES

The Revell Big Boy Locomotive model kit offers several key features:

- Detailed driver's cab
- Movable Wheels
- 87 parts, skill level 3
- Decals for 2 Union Pacific versions
- Illustrated assembly instructions

8. SPECIFICATIONS

Attribute	Detail
Brand	Revell
Model Name	Big Boy Locomotive
Model Number	02165
Scale	1:87
Number of Parts	87
Skill Level	3
Material Type	Plastic
Item Dimensions (L)	18.27 inches (46.4 cm)
Item Weight	0.41 Kilograms
Recommended Age Range	Kid (suitable for experienced young builders and adults)

9. TROUBLESHOOTING

Encountering issues during model assembly is common. Here are some general tips:

- **Parts Not Fitting:** Ensure you are using the correct parts as indicated in the instructions. Check for excess plastic (flash) on the edges of parts and carefully trim it away. Lightly sand mating surfaces if necessary.
- **Decals Not Adhering:** Ensure the surface is clean and smooth. Use a decal setting solution to help decals conform to irregular surfaces and improve adhesion.
- **Missing Parts:** Double-check the sprues and packaging. If a part is genuinely missing, contact Revell customer support.
- **Paint Issues:** If paint is peeling or not adhering, ensure the surface was clean before painting. Use thin coats and allow adequate drying time.

10. MAINTENANCE

Once assembled, your Revell Big Boy Locomotive model requires minimal maintenance to preserve its appearance:

- **Cleaning:** Dust the model regularly with a soft, dry brush or a can of compressed air. Avoid using harsh chemicals or wet cloths, which can damage paint or decals.
- **Display:** Display your model in a stable location away from direct sunlight, extreme temperatures, and high humidity to prevent fading, warping, or material degradation.
- **Handling:** Handle the model carefully, especially delicate parts like handrails and small details, to prevent breakage.

11. WARRANTY AND SUPPORT

For questions regarding missing parts, assembly issues, or general inquiries, please contact Revell customer support.

Refer to the contact information provided on the product packaging or the official Revell website.

Revell stands by the quality of its products. Any specific warranty information would be included with the product packaging.