

## Bruder 2816

# Bruder Toys Mack Granite Winter Service Truck with Snow Plow (Model 2816) Instruction Manual

Model: 2816 | Brand: Bruder

## 1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Bruder Toys Mack Granite Winter Service Truck with Snow Plow, Model 2816. This highly detailed toy truck is designed to replicate a real-life winter service vehicle, featuring a functional snow plow and a gritter for realistic play scenarios.

Please read this manual thoroughly before use to ensure proper handling and to maximize the lifespan of your product.

## 2. SAFETY INFORMATION

### WARNING:

- Small Parts - Not suitable for children under 3 years old due to potential choking hazards.
- Adult supervision is recommended during play, especially for younger children.
- Inspect the toy regularly for any damage or loose parts before each use. Discontinue use if damage is found.

## 3. PRODUCT OVERVIEW

The Bruder Mack Granite Winter Service Truck is a detailed replica featuring a MACK Granite truck chassis, a detachable snow plow, and a functional gritter unit. Key features include:

- **Realistic Design:** Authentic MACK Granite truck details, including fender, front panel, bonnet ornament, rear-view mirrors, exhaust pipes, roof lights, and chrome-look add-ons.
- **Detachable Snow Plow:** A wide, height-adjustable snow plow that can be attached and detached.
- **Functional Gritter:** A gritter unit with a feeding screw for spreading sand or gritting products.
- **Adjustable Plow Blade:** The plow blade angle can be adjusted by +/- 30 degrees and is self-arresting for precise control.



Figure 3.1: Front-side view of the Bruder Mack Granite Winter Service Truck with the snow plow attached.

## 4. SETUP AND ASSEMBLY

The Bruder Mack Granite Winter Service Truck comes largely pre-assembled. The primary setup involves attaching the snow plow and preparing the gritter unit.

### 4.1 Attaching the Snow Plow

1. Locate the snow plow attachment points at the front of the truck chassis.
2. Align the snow plow's mounting brackets with these points.
3. Securely attach the snow plow. Ensure it clicks into place or is firmly seated.
4. Verify the plow is stable and does not wobble excessively.



Figure 4.1: The snow plow can be detached from the main truck unit.

## 4.2 Preparing the Gritter Unit

1. Open the top cover of the gritter unit located at the rear of the truck.
2. Fill the gritter with fine sand or other suitable gritting material. Avoid using large or abrasive particles that could jam the mechanism.
3. Close the top cover securely.



Figure 4.2: Top view of the truck showing the open gritter unit for filling.

## 5. OPERATING INSTRUCTIONS

### 5.1 Operating the Snow Plow

- **Height Adjustment:** The snow plow's height can be adjusted manually. Lift or lower the plow to the desired position for clearing.
- **Angle Adjustment:** The plow blade can be angled left or right by up to 30 degrees. Adjust the angle to direct snow to the side. The mechanism is self-arresting, meaning it will hold its position once set.
- **Detaching the Plow:** To remove the plow, reverse the steps outlined in Section 4.1.



Figure 5.1: Rear view of the truck, showing the gritter unit and the snow plow in position.

## 5.2 Operating the Gritter

- Ensure the gritter unit is filled with appropriate material (refer to Section 4.2).
- Locate the lever on the side of the gritter unit.
- Move the lever to the "ON" position to activate the feeding screw, which will dispense the gritting material.
- Move the lever to the "OFF" position to stop the dispensing.

## 6. MAINTENANCE AND CARE

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Proper maintenance ensures the longevity and functionality of your Bruder toy.

- **Cleaning:** Wipe the truck with a damp cloth to remove dirt and dust. Avoid harsh chemicals or abrasive cleaners.
- **Drying:** Ensure all parts are thoroughly dry before storage, especially after outdoor play, to prevent material degradation.
- **Storage:** Store the toy in a clean, dry place away from direct sunlight and extreme temperatures.
- **Gritter Maintenance:** After use, empty any remaining gritting material from the gritter unit to prevent clogging or residue buildup. Clean the feeding screw area if necessary.
- **Inspection:** Periodically check for loose screws, broken parts, or signs of wear. Replace damaged parts if possible, or contact customer support.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Bruder Mack Granite Winter Service Truck.

- **Snow Plow Not Staying in Position:**
  - Ensure the plow is correctly attached and the adjustment mechanism is engaged.

- Check for any obstructions or damage to the adjustment points.

• **Gritter Not Dispensing Material:**

- Verify the gritter unit is filled with appropriate material and the lever is in the "ON" position.
- Check for clogs in the feeding screw or dispensing chute. Clear any blockages carefully.
- Ensure the material used is fine enough and not clumping.

• **General Wear and Tear:**

- Small parts, such as flags on the plow, may be prone to breaking with rough play. These are often replaceable.
- If major components are damaged, contact Bruder customer support for assistance.

8. SPECIFICATIONS

| Feature                        | Detail                                                                                                                |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Model Number                   | 2816                                                                                                                  |
| Brand                          | Bruder                                                                                                                |
| Product Dimensions (L x W x H) | Approximately 25.75 x 9.84 x 7.72 inches (65.4 x 24.9 x 19.6 cm)                                                      |
| Item Weight                    | 4.28 pounds (1.94 kg)                                                                                                 |
| Recommended Age                | 36 months - 4 years (or 3 years and above)                                                                            |
| Material                       | High-quality plastic (ABS)                                                                                            |
| Main Features                  | Detachable, height-adjustable snow plow; functional gritter with feeding screw; adjustable plow blade angle (+/- 30°) |

9. WARRANTY AND SUPPORT

Bruder toys are known for their quality and durability. For specific warranty information or customer support, please refer to the official Bruder website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the [Bruder Store on Amazon](#).

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Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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