

Toro 614650

Toro Part # 614650 Shoulder Wheel Bolt (2 Pack)

Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of the Toro Part # 614650 Shoulder Wheel Bolt. This product is a genuine replacement part designed for specific Toro equipment to ensure optimal performance and safety. Please read this manual thoroughly before attempting any installation or maintenance procedures.

PRODUCT OVERVIEW



Figure 1: Two Toro Part # 614650 Shoulder Wheel Bolts. These bolts are designed to secure wheels or other components to equipment, featuring a shoulder for precise spacing and alignment.



Figure 2: Angled view of the Toro Part # 614650 Shoulder Wheel Bolts, highlighting the threaded end and the shoulder design.

The Toro Part # 614650 is a shoulder wheel bolt, typically used in pairs, designed to provide a secure and precise connection for wheels or other rotating parts on various Toro lawn and garden equipment. Its unique shoulder design ensures proper spacing and reduces stress on the threaded portion.

- Part Number: 614650
- Quantity: 2 bolts per pack
- Fastener Type: Shoulder Bolt
- Color: Black
- Head Style: Flat (Hexagonal head for tightening)

SETUP AND INSTALLATION

Proper installation is crucial for the safety and longevity of your equipment. Always refer to your specific equipment's service manual for detailed instructions and torque specifications.

Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Ensure the equipment is turned off, cooled down, and disconnected from any power source (e.g.,

spark plug wire removed for gasoline engines) before beginning work.

- Secure the equipment to prevent accidental movement.

Installation Steps:

1. Identify the worn or damaged bolt that needs replacement.
2. Using appropriate tools (e.g., wrench, socket), carefully loosen and remove the old bolt.
3. Inspect the mounting area for any damage, debris, or corrosion. Clean if necessary.
4. Position the component (e.g., wheel) correctly and align the bolt hole.
5. Insert the new Toro Part # 614650 Shoulder Wheel Bolt.
6. Hand-tighten the bolt to ensure it threads correctly without cross-threading.
7. Using a torque wrench, tighten the bolt to the manufacturer's specified torque setting. Overtightening or undertightening can lead to component failure.
8. Verify that the component is securely fastened and moves freely if designed to do so.

OPERATING CONSIDERATIONS

Once installed, the shoulder wheel bolt functions as a critical fastener. Its primary role is to securely attach a wheel or other rotating component while allowing for proper rotation and preventing lateral movement. Ensure that the equipment is operated within its intended design parameters to prevent undue stress on fasteners.

MAINTENANCE

Regular inspection of fasteners is part of good equipment maintenance.

- **Visual Inspection:** Periodically check the shoulder wheel bolts for signs of wear, corrosion, bending, or damage. Look for any signs of loosening.
- **Tightness Check:** If accessible, periodically check the torque of the bolts, especially after initial installation and after the first few hours of operation. Retighten to specifications if necessary.
- **Replacement:** Replace bolts immediately if any damage or significant wear is observed. Do not attempt to repair damaged bolts. Always use genuine Toro replacement parts.

TROUBLESHOOTING

Issues related to the shoulder wheel bolt are typically straightforward.

Problem	Possible Cause	Solution
Wheel wobbles or is loose	Bolt is loose or damaged; incorrect installation.	Check bolt tightness and retorque. Inspect bolt for damage and replace if necessary. Ensure proper installation.
Unusual noise from wheel area	Loose bolt; worn bearing (not bolt related but can be confused).	Check bolt tightness. If noise persists, inspect other wheel components.
Bolt difficult to remove or install	Cross-threading; corrosion; damaged threads.	Do not force. If cross-threaded, remove and inspect threads on both bolt and mating part. Clean threads. Replace bolt if damaged.

If you encounter issues not listed here or are unsure about a repair, consult a qualified service technician

or contact Toro customer support.

SPECIFICATIONS

Attribute	Value
Part Number	614650
Quantity	2 per pack
Brand	Toro
Fastener Type	Shoulder Bolt
Color	Black
Head Style	Flat (Hexagonal)
Product Dimensions	2.5 x 0.8 x 0.8 inches
Manufacturer	Toro
ASIN	B0CC3V648P

WARRANTY AND SUPPORT

For specific warranty information regarding the Toro Part # 614650 Shoulder Wheel Bolt, please refer to the warranty documentation provided with your original Toro equipment or contact Toro customer service directly. As a replacement part, its warranty may be tied to the original equipment's warranty or a separate parts warranty.

For technical support or further assistance, please visit the official Toro website or contact their customer service department. Always provide the part number (614650) and your equipment's model and serial number when seeking support.

Toro Official Website: www.toro.com