



**Model-NK02-6653**

# Instruction Manual: Replacement Deck Wheel Bolt

Model: Model-NK02-6653

## 1. INTRODUCTION

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This manual provides essential information for the installation, maintenance, and troubleshooting of the Replacement Deck Wheel Bolt, Model-NK02-6653. This high-performance component is designed to ensure reliable operation of your lawn mower's deck wheel assembly. Please read this manual thoroughly before proceeding with any installation or maintenance.

## 2. PRODUCT OVERVIEW

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The Replacement Deck Wheel Bolt (Model-NK02-6653) is a critical component for securing the deck wheels on various lawn mowers and tractors. It includes the bolt, a washer, and a nut, designed to provide a secure and durable connection for the deck wheel, allowing it to rotate freely and support the mower deck's weight.



**Figure 2.1:** Complete Deck Wheel Bolt Assembly. This image shows the main components: the bolt, a washer, and a nut, ready for installation.



Figure 2.2: Deck Wheel Bolt with Key Dimensions. This image illustrates the critical measurements of the bolt, including its length,

diameter, and thread size, essential for ensuring proper fit.

### 3. SPECIFICATIONS

| Component           | Measurement   | Value       |
|---------------------|---|-------------|
| Order Includes      | 1x Mower Deck Wheel With Bolt (Part Numbers: 1033168, 1034051, 1037263, 1099011, 1169981, 022523498, PL7540, 589527301, 532174873, 587048801) |             |
| Bolt Width          | 77 mm   | 3.0 inches  |
| Bolt Inner Diameter | 13 mm   | 0.51 inches |
| Bolt Outer Diameter | 125 mm  | 4.92 inches |
| Bolt Height         | 98 mm   | 3.8 inches  |
| Model Number        | Model-NK02-6653   |             |
| Manufacturer        | CARB (Brand: Generic)   |             |
| Material            | High-quality, weather-resistant materials (Metallic Finish)   |             |

### 4. SETUP AND INSTALLATION

Replacing a deck wheel bolt is a straightforward process, but requires attention to safety and proper tools. Always refer to your equipment's specific service manual for detailed instructions.

#### 4.1 Safety Precautions

- Ensure the mower engine is off and cool. Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Work on a flat, stable surface.
- If lifting the mower, use a sturdy jack or lift stands to secure it.

#### 4.2 Required Tools

- Wrench or socket set (to match the bolt and nut size)
- Pry bar or large screwdriver (if the old bolt is seized)
- Wire brush (for cleaning)
- Penetrating oil (optional, for seized bolts)
- Grease or anti-seize compound (optional, for new bolt)

#### 4.3 Installation Steps

1. **Remove Old Bolt:** Locate the worn or damaged deck wheel bolt. Use the appropriate wrench or socket to loosen and remove the nut. If the bolt is seized, apply penetrating oil and allow it to soak, then try again. Once the nut is off, remove the old bolt, washer, and deck wheel.
2. **Clean Area:** Clean any debris, rust, or old grease from the mounting area on the mower deck and the wheel hub. A wire brush can be useful for this step.
3. **Inspect Wheel:** Inspect the deck wheel for any damage, cracks, or excessive wear. Replace the wheel if necessary.

4. **Install New Bolt:** Insert the new deck wheel bolt through the mounting hole on the mower deck, then through the deck wheel, and finally through the other side of the mounting bracket. Ensure the washer is placed correctly between the bolt head and the bracket, or as per your mower's design.
5. **Secure Nut:** Thread the new nut onto the bolt. Hand-tighten first, then use a wrench or socket to tighten it securely. Do not overtighten, as this can damage the wheel or bracket, but ensure it is firm enough to prevent the wheel from wobbling. The wheel should still be able to rotate freely.
6. **Test:** Gently spin the deck wheel to ensure it rotates smoothly without binding. Check for any play or looseness.

## 5. OPERATING CONSIDERATIONS

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Once installed, the deck wheel bolt functions as a pivot point and secure attachment for the mower's deck wheel. Proper installation ensures the deck wheel can freely rotate, allowing the mower deck to glide smoothly over uneven terrain and prevent scalping of the lawn. The bolt's integrity is crucial for maintaining the correct deck height and stability during operation.

## 6. MAINTENANCE

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Regular inspection and maintenance of the deck wheel bolt can extend its lifespan and ensure optimal mower performance.

- **Visual Inspection:** Periodically inspect the bolt, washer, and nut for signs of wear, bending, rust, or damage. Check for any looseness in the assembly.
- **Cleanliness:** Keep the area around the deck wheel and bolt free of grass clippings, dirt, and debris, which can cause premature wear or corrosion.
- **Lubrication:** While not always necessary for these types of bolts, applying a small amount of grease or anti-seize compound to the bolt shaft during installation can help prevent rust and make future removal easier.
- **Tightness Check:** After several hours of operation, re-check the tightness of the nut to ensure it has not loosened due to vibration.

## 7. TROUBLESHOOTING

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If you encounter issues with your deck wheel assembly, consider the following:

- **Wobbly Deck Wheel:**
  - Check if the nut is securely tightened.
  - Inspect the deck wheel for a worn or damaged bearing (if applicable) or a cracked hub.
  - Ensure the bolt is not bent or damaged.
- **Difficulty in Wheel Rotation:**
  - The nut might be overtightened, binding the wheel. Loosen slightly until the wheel spins freely but without excessive play.
  - Debris or grass clippings might be lodged in the wheel assembly. Clean thoroughly.
  - The wheel bearing might be seized or damaged.
- **Bolt Corrosion/Rust:**
  - Ensure the bolt is made of appropriate materials for outdoor use.
  - Consider applying a rust-inhibiting coating or anti-seize compound during installation.
  - Regular cleaning can help prevent buildup that traps moisture.

## 8. COMPATIBILITY

This replacement deck wheel bolt is compatible with a wide range of models from various brands, including AYP, Husqvarna, Poulan, RedMax, Dixon, Electrolux, and Murray. Specific compatible models include, but are not limited to:

Poulan PP 46 SZ (967721801-00) - Poulan Pro 46" Zero-Turn Mower 2001-2018  
PPX 19A46 Poulan Pro Lawn Tractor 2010-2017  
PPX 20VA46 (960420206-00) - Poulan Pro Lawn Tractor 2010-2017  
PPX 46 Z (967721901-00) - Poulan Pro 46" Zero-Turn Mower 2001-2018  
PX 46 Z (967702601-00) - Poulan Pro 46" Zero-Turn Mower 2001-2018  
CO 24H48ST A - Poulan Pro Lawn Tractor 2004  
CO GT 22H48 A - Poulan Pro Lawn Tractor 2004  
DB 24H48 YT Poulan Pro Lawn Tractor 2005-2006  
PB 22H48 YT (960420010-00) - Poulan Pro Lawn Tractor 2001-2006  
PB 22H54 BF Poulan Pro Lawn Tractor 2007-2012  
PB 22H54 BEV Poulan Pro Lawn Tractor 2007-2012

## 9. WARRANTY AND SUPPORT

Specific warranty information for this replacement part is not provided in the product details. For inquiries regarding warranty coverage or technical support, please refer to the original point of purchase or contact the manufacturer, Generic, directly. Always retain your purchase receipt for any warranty claims.