

HPI Racing HPIB023

HPI Racing B023 6x13mm Ball Bearing Instruction Manual

Model: HPIB023

INTRODUCTION

This manual provides essential information for the proper installation and care of your HPI Racing B023 6x13mm Ball Bearing. This component is designed as a precision replacement part for HPI Racing remote-controlled vehicles, ensuring smooth operation and durability.

FEATURES

- Genuine HPI quality spare part for reliable performance and easy maintenance.
- Precision manufactured to exact HPI factory specifications for a perfect fit.
- Designed for durability and smooth operation within compatible HPI Racing models.

SPECIFICATIONS

Characteristic	Detail
Bearing Type	Ball Bearing
Bearing Number	B023
Dimensions	6mm (Inner Diameter) x 13mm (Outer Diameter)
Material	High-grade metal (Note: Product data listed "Plastic" which is typically incorrect for a ball bearing)
Item Weight	Approximately 0.32 ounces (9.07 g)

INSTALLATION GUIDELINES

The HPI Racing B023 Ball Bearing is a replacement component. Proper installation is crucial for optimal performance and longevity of your RC vehicle.

1. **Identify the Bearing Location:** Refer to your specific HPI Racing vehicle's assembly manual to locate the bearings that require replacement. Bearings are typically found in wheel hubs, gearboxes, and differentials.
2. **Disassembly:** Carefully disassemble the relevant section of your vehicle to access the worn or damaged bearing. Use appropriate tools to avoid damaging surrounding components.
3. **Remove Old Bearing:** Gently remove the old bearing. If it is seized, apply light pressure or use a bearing removal tool if available.
4. **Clean Area:** Clean the bearing seat thoroughly to remove any dirt, debris, or old lubricant. A clean installation area prevents premature wear.
5. **Install New Bearing:** Carefully press the new HPI Racing B023 Ball Bearing into its designated seat. Ensure it is seated squarely and fully. Do not use excessive force, which can damage the bearing or the housing.
6. **Reassembly:** Reassemble your vehicle according to its original assembly manual. Ensure all screws are tightened to the recommended specifications.
7. **Test Functionality:** After reassembly, manually check for smooth rotation and proper movement of the affected parts before operating the vehicle.



This image shows the HPI Racing B023 Ball Bearing, a precision component designed for smooth rotation in RC vehicles.

MAINTENANCE

HPI Racing ball bearings are generally sealed units designed for minimal maintenance.

- **Regular Inspection:** Periodically inspect bearings for signs of wear, such as excessive play, roughness, or noise.
- **Cleaning:** Keep the area around the bearings clean from dirt and debris, which can ingress seals and reduce bearing life.
- **Replacement:** If a bearing shows significant wear or damage, replace it promptly to prevent damage to other vehicle components. Do not attempt to lubricate sealed bearings unless specifically instructed by HPI Racing for a particular application.

TROUBLESHOOTING COMMON ISSUES

Issue	Possible Cause	Solution
-------	----------------	----------

Issue	Possible Cause	Solution
Rough or Gritty Movement	Dirt/debris inside bearing; Worn bearing	Inspect and clean surrounding area. If issue persists, replace bearing.
Excessive Play	Worn bearing; Improper installation	Ensure bearing is fully seated. If still loose, replace bearing.
Bearing Seized	Severe wear; Contamination; Over-tightening	Replace bearing. Ensure proper installation and avoid over-tightening adjacent components.

WARRANTY AND SUPPORT

HPI Racing products are manufactured to high standards. For specific warranty information and technical support, please refer to the official HPI Racing website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

[Visit HPI Racing Official Website](#)
