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› All Balls Racing PRP-PO-09-009 Prop Shaft User Manual

All Balls PRP-PO-09-009

All Balls Racing PRP-PO-09-009 Prop Shaft User Manual

Model: PRP-PO-09-009 | Brand: All Balls

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the All Balls Racing PRP-PO-09-009 Prop Shaft. This top-grade product is expertly made in compliance with stringent industry standards to offer a fusion of a well-balanced design and high level of craftsmanship. Manufactured from industry-leading materials using up-to-date equipment, it ensures everlasting reliability and enduring value. This product is distinguished by total quality assurance, unsurpassed by anybody else.

2. PRODUCT FEATURES

- **Superior Specs & Function:** Dynamically balanced and phased as a complete 2-piece assembly when applicable. Complete driveline is balanced to reduce noise and vibration while extending life.
- **Integrated Carrier Bearing:** Included carrier bearing reduces cost, eases assembly, and provides a complete ready-to-install driveline.
- **Greasable U-Joints:** Allows for maintenance of the drive shaft, extending its lifespan.
- **Material:** Constructed from cold-rolled steel for durability.
- **OEM Replacement:** Directly replaces OEM Numbers: All Balls Racing: PRP-PO-09-009.
- **Engineer-Tested Excellence:** Products undergo rigorous testing programs to ensure optimal output and performance.

3. COMPATIBILITY

The All Balls Racing PRP-PO-09-009 Prop Shaft is compatible with the following Polaris Ranger models:

- Polaris Ranger 800 4x4 (2010-2014)
- Polaris Ranger 800 4x4 XP (2012)

Always verify compatibility with your specific vehicle model and year before installation.

4. INSTALLATION GUIDE

Installation of a prop shaft requires mechanical knowledge and specialized tools. It is highly recommended that installation be performed by a qualified professional to ensure proper fitment and vehicle safety.

4.1. General Installation Considerations

- Ensure the vehicle is safely supported on a lift or jack stands.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- The prop shaft is dynamically balanced from the factory; avoid any modifications that could disrupt this balance.
- The pre-installed carrier bearings are an upgrade from factory setups, simplifying the replacement process.

4.2. Product Visuals



Figure 4.2.1: Top view of the All Balls Racing PRP-PO-09-009 Prop Shaft, showing its full length and both universal joints. This image provides an overall perspective of the component.



Figure 4.2.2: Angled view of the prop shaft, highlighting its cylindrical body and the universal joints at each end. This perspective helps visualize the shaft's three-dimensional form.



Figure 4.2.3: Detailed close-up of one universal joint (U-joint) on the prop shaft. This view shows the grease fitting and the robust construction of the joint, which allows for angular movement.



Figure 4.2.4: Detailed close-up of the second universal joint on the prop shaft, showing similar features to the first. This confirms the consistent design and quality across both ends of the shaft.

5. OPERATION

The prop shaft is a critical component of your vehicle's drivetrain, responsible for transmitting power from the transmission or transfer case to the differential. Once correctly installed, the prop shaft operates continuously as part of the vehicle's power delivery system. Its dynamic balancing helps ensure smooth power transfer and minimizes vibrations during vehicle operation.

6. MAINTENANCE

Regular maintenance is crucial for extending the lifespan and ensuring the optimal performance of your prop shaft.

6.1. Greasing U-Joints

The All Balls Racing prop shaft features greasable U-joints. It is recommended to grease these joints at regular intervals as specified by your vehicle's maintenance schedule or more frequently if operating in harsh conditions (e.g., mud, water, dust).

- Locate the grease fittings on each U-joint.
- Using a grease gun, apply appropriate automotive grease until new grease begins to purge from the seals.
- Wipe off any excess grease.

6.2. Inspection

Periodically inspect the prop shaft for signs of wear, damage, or looseness:

- Check U-joints for excessive play or stiffness.
- Inspect the shaft for dents, bends, or corrosion.
- Ensure all mounting bolts are secure and torqued to specification.
- Examine carrier bearing for signs of wear or damage.

7. TROUBLESHOOTING

If you experience issues after prop shaft installation or during vehicle operation, consider the following common symptoms and potential causes:

- **Vibration:** Can indicate an unbalanced shaft, worn U-joints, or improper installation. Ensure the shaft is correctly aligned and all fasteners are tightened.
- **Clunking or Clicking Noises:** Often points to worn or damaged U-joints. Inspect for excessive play.
- **Squeaking or Squealing:** May suggest a lack of lubrication in the U-joints. Ensure they are properly greased.

For persistent issues, it is strongly recommended to consult a certified automotive technician.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	INTERPARTS
Brand	All Balls
Model	All Balls Racing Stealth Drive Prop Shaft PRP-PO-09-009
Item Weight	9 pounds
Product Dimensions	56.5 x 3.8 x 3.8 inches
Item Model Number	PRP-PO-09-009
Manufacturer Part Number	PRP-PO-09-009
OEM Part Number	PRP-PO-09-009
Exterior	Machined
First Available	February 11, 2021

9. WARRANTY AND SUPPORT

9.1. Warranty Information

All Balls Racing offers a **1-year warranty** on this product, protecting you after your purchase. The manufacturer is confident that their products will work flawlessly once installed in your vehicle. In the rare case that it does not, they will replace it anytime within one year of your order.

9.2. Customer Support

If you encounter any problems or require assistance, please contact the manufacturer or your point of purchase. They are committed to assisting you with replacements or technical guidance.
For more information, you may visit the official [All Balls Racing Store](#).

10. IMPORTANT SAFETY INFORMATION

Always prioritize safety when working with automotive components. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported before working underneath it.
- Disconnect the battery before performing any electrical work.
- Handle all components with care to avoid injury or damage.
- Dispose of old parts and fluids responsibly according to local regulations.
- If unsure about any procedure, consult a qualified professional.

This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question