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zozoye 3086857

zozoye Stator & Flywheel Rotor Kit Instruction Manual

Model: 3086857 | Brand: zozoye

Introduction

This manual provides essential information for the installation, operation, and maintenance of your zozoye Stator & Flywheel Rotor Kit. This kit is designed to replace original equipment manufacturer (OEM) parts and ensure reliable power generation for compatible Polaris models. Please read these instructions carefully before proceeding with installation.

Compatibility

This Stator & Flywheel Rotor Kit is compatible with the following Polaris models. Please verify your vehicle's make, model, and year before installation to ensure proper fitment.

- 1995-1998 Polaris Magnum 425 2X4
- 1995-1998 Polaris Magnum 425 4X4
- 1996-1997 Polaris Magnum 425 6x6
- 1999-2000 Polaris Sportsman 335
- 2001-2002 Polaris Sportsman 400
- 1996-1997 Polaris Sportsman 500 4x4
- 1999 Polaris Worker 335
- 1997 Polaris Xplorer 500
- 2000 Polaris Ranger 500



This image illustrates the range of Polaris vehicles compatible with the Stator & Flywheel Rotor Kit, including various Magnum, Sportsman, Worker, Xplorer, and Ranger models.

Package Contents

The zozoye Stator & Flywheel Rotor Kit includes the following components:

- 1 x Stator Assembly
- 1 x Flywheel Rotor
- 1 x O-ring



This image displays the complete contents of the package: one stator, one flywheel, and one O-ring, ready for installation.

Product Dimensions

Approximate dimensions for the components are provided below. Please allow for a measurement error of 0.03-0.11 inches.

- **Flywheel:** Outer diameter approximately 6.8 inches, height approximately 4.2 inches, inner diameter approximately 1 inch.
- **O-ring:** Outer diameter approximately 5 inches, thickness approximately 0.16 inches.



This image provides a visual representation of the product dimensions for the flywheel and O-ring, indicating key measurements.

Setup and Installation

Installation of the Stator & Flywheel Rotor Kit requires mechanical knowledge and appropriate tools. If you are not confident in performing this installation, it is recommended to seek assistance from a qualified technician.

General Installation Steps:

1. **Safety First:** Disconnect the vehicle's battery before beginning any work on the electrical system. Ensure the vehicle is stable and secure.
2. **Access Components:** Locate and remove the necessary covers or components to access the existing stator and flywheel.
3. **Remove Old Parts:** Carefully disconnect wiring and remove the old stator and flywheel. Note the orientation and routing of all wires.
4. **Inspect Area:** Clean the mounting surfaces and inspect for any damage or debris.
5. **Install New Stator:** Mount the new stator assembly, ensuring all mounting bolts are tightened to the manufacturer's specifications. Connect the wiring harness, matching connections precisely.
6. **Install New Flywheel:** Carefully place the new flywheel onto the crankshaft. Ensure the keyway aligns correctly. Install the

retaining nut and tighten to the manufacturer's torque specifications.

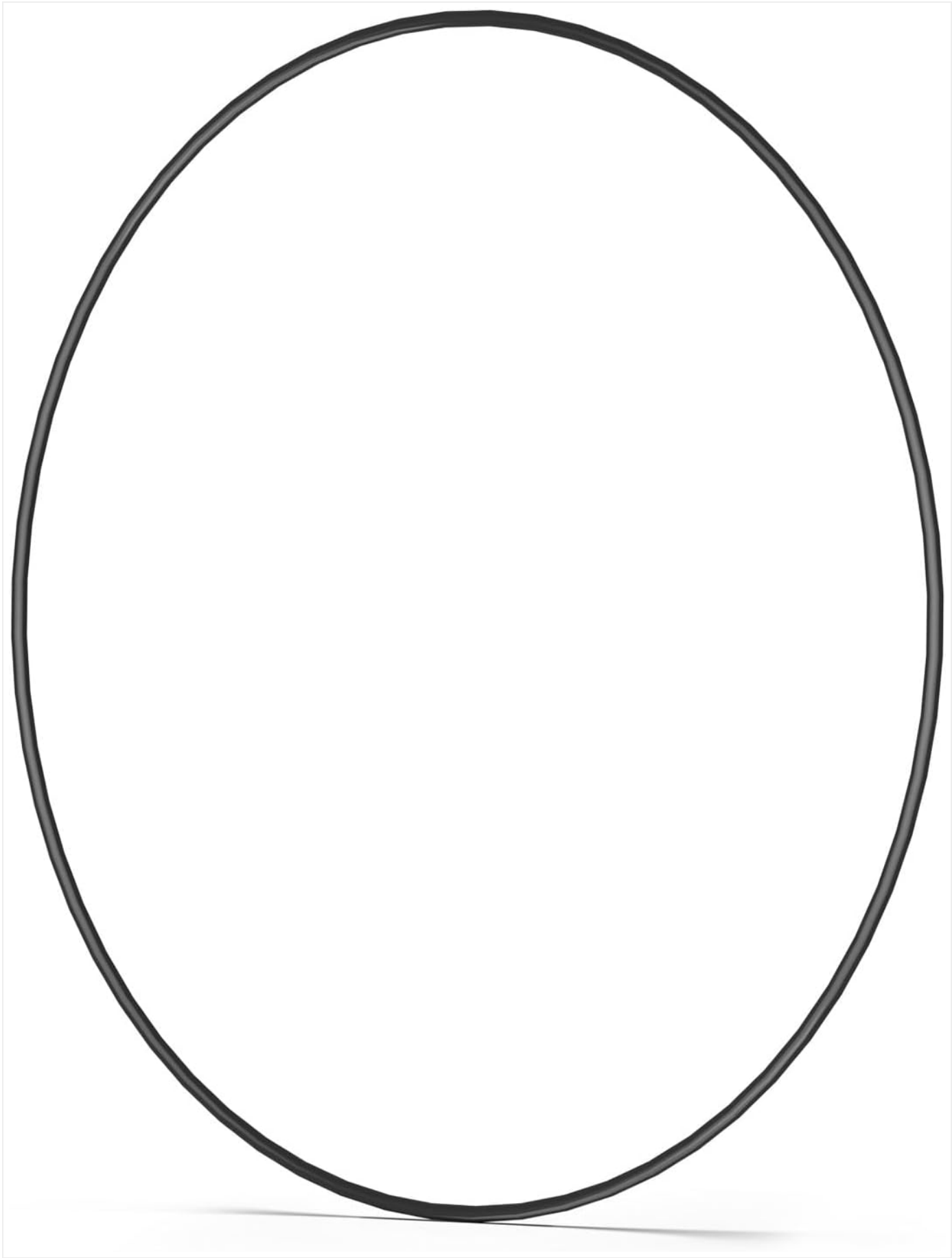
7. **Install O-ring:** Replace the O-ring in its designated groove to ensure a proper seal.
8. **Reassemble:** Reinstall all covers and components removed earlier.
9. **Test:** Reconnect the battery and test the vehicle's electrical system to confirm proper function.



This image provides a detailed view of the stator assembly, highlighting its windings and integrated wiring harness, crucial for correct electrical connections.



This image shows a detailed perspective of the flywheel rotor, emphasizing its gear teeth and central bore for crankshaft mounting.



This image displays the O-ring, an essential sealing component included in the kit.

Operation

The stator and flywheel work in conjunction as part of your vehicle's charging and ignition system. The flywheel, rotating with the

engine's crankshaft, contains magnets that pass over the stator's coils. This movement induces an electrical current in the stator, which is then rectified and regulated to charge the battery and power the vehicle's electrical components. Proper installation ensures efficient power generation and reliable engine performance.

Maintenance

Regular maintenance of your vehicle's electrical system can help prolong the life of your stator and flywheel. While these components are generally robust, consider the following:

- **Periodic Inspection:** During routine vehicle maintenance, visually inspect the stator and flywheel area for any signs of wear, corrosion, or loose connections.
- **Wiring Integrity:** Ensure all wiring connected to the stator is secure, free from fraying, and protected from heat or abrasion.
- **Cleanliness:** Keep the area around the stator and flywheel free from excessive dirt, oil, or debris, which can interfere with cooling and operation.
- **Battery Health:** A healthy battery and charging system are interdependent. Ensure your battery is regularly tested and maintained.

Troubleshooting

If you experience issues after installation or during normal operation, consider these common troubleshooting steps:

- **No Power/Battery Not Charging:** Check all wiring connections for tightness and proper routing. Verify the battery terminals are clean and secure. Test the battery voltage.
- **Intermittent Power:** Inspect for loose or corroded connections. Ensure the O-ring is properly seated to prevent moisture ingress.
- **Unusual Noises:** If grinding or scraping noises are heard from the engine case, immediately shut off the engine and inspect the flywheel and stator for proper clearance and mounting.
- **Electrical Component Malfunction:** If other electrical components are failing, it may indicate an issue with the voltage regulator/rectifier, which works in conjunction with the stator.

For complex electrical issues, it is recommended to consult a professional mechanic or an authorized service center.

Specifications

Specification	Detail
Brand	zozoye
Model Number (Kit)	3086857
OEM Part Numbers	3086857, 3084969, 3084974, 3086860, 3086232, 3086239, 3084978
Included Components	1 x Stator, 1 x Flywheel, 1 x O-ring
Exterior Finish	Chrome (Flywheel)

Support and Warranty

Your satisfaction is important to us. If you encounter any challenges during installation or have post-purchase inquiries, our dedicated support team is available to assist you. Please refer to your purchase documentation for specific warranty details and contact information.

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