Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

zozoye 72505-G01 72504-G01

EZGO 4-Cycle Gas Golf Cart Engine Top End Rebuild Kit Instruction Manual

Model: 72505-G01, 72504-G01

Introduction

This manual provides detailed instructions for the installation and maintenance of the zozoye Top End Rebuild Kit for EZGO 4-Cycle Gas Golf Cart 350cc EH35C MCI Fuji Robin Engines. Please read these instructions carefully before beginning any work to ensure proper installation and safe operation.

Applicable Models: EZGO 4-Cycle Gas Golf Cart 350cc EH35C MCI Fuji Robin Engine (1996-2002)

OEM Part Numbers: 72505-G01, 72504-G01

Package Contents

Verify that all components listed below are present in your kit before starting the installation process.



Image showing all components of the zozoye Top End Rebuild Kit, including gaskets, pistons, rings, wrist pins, snap rings, valves, springs, retainers, and collet keepers.

- Complete Gasket Seal Kit x1
- Standard Piston x2
- Standard Ring x2
- Wrist Pin x2
- Snap Rings x4
- Exhaust Valve x2
- Intake Valve x2
- Spring x2
- Valve Spring Retainers x4
- Valve Collet Keepers x8

Setup and Preparation

Before beginning the rebuild, ensure you have the necessary tools and a clean, well-lit workspace. Refer to your golf cart's service manual for specific torque specifications and additional disassembly/assembly procedures.

1. **Safety First:** Disconnect the battery and ensure the engine is cool before starting any work.
2. **Cleanliness:** Thoroughly clean all engine components to prevent contamination during assembly.
3. **Inspection:** Inspect the cylinder walls, crankshaft, and connecting rods for any damage or excessive wear. Address any issues before installing new components.
4. **Component Identification:** Familiarize yourself with each part of the rebuild kit and its function.

Operating Principles of Key Components

Understanding the function of each component is crucial for proper installation and engine performance.

Piston Function

The piston is a critical component that:

- Withstands gas pressure during combustion.
- Transmits power to the crankshaft via the wrist pin.
- Compresses the air-fuel mixture.
- Controls airflow within the cylinder.



Close-up view of the standard pistons and piston rings included in the kit, highlighting their design and construction.

Installation Instructions

This section outlines the general steps for installing the top end rebuild kit. Always refer to the specific service manual for your EZGO golf cart for detailed, model-specific procedures and torque values.

1. **Disassembly:** Carefully disassemble the engine's top end, removing the cylinder head, old pistons, rings, and valves. Keep track of all removed parts.
2. **Cylinder Preparation:** Inspect and clean the cylinder bore. Honing may be required to ensure proper ring seating.
3. **Piston and Ring Installation:**
    a. Install the new piston rings onto the standard pistons according to the manufacturer's specifications.
    b. Attach the pistons to the connecting rods using the wrist pins and snap rings. Ensure snap rings are securely seated.
    c. Carefully install the piston and connecting rod assemblies into the cylinder bore, using a piston ring compressor to prevent damage to the rings.

4. **Valve Installation:**
    a. Install the new intake and exhaust valves into the cylinder head.
    b. Install the valve springs, retainers, and collet keepers. Use a valve spring compressor tool to safely compress the springs and seat the keepers.
5. **Gasket Placement:** Install the appropriate gaskets from the complete gasket seal kit in their correct locations (e.g., cylinder head gasket, valve cover gasket). Ensure all mating surfaces are clean and dry.
6. **Reassembly:** Reassemble the cylinder head and other top end components, tightening all fasteners to the manufacturer's specified torque values.
7. **Final Checks:** Before starting the engine, perform a thorough check of all connections, fluid levels, and ensure no tools or debris are left in the engine bay.



Various gaskets and seals from the complete gasket seal kit, essential for sealing engine components and preventing leaks.



Image displaying the intake and exhaust valves along with valve springs, retainers, and collet keepers, ready for installation into the cylinder head.

Maintenance Recommendations

Regular maintenance is crucial for the longevity and performance of your engine after a top end rebuild.

- **Piston Ring Groove Depth:** Regularly check the piston ring groove depth. If it exceeds a certain limit, the piston must be replaced. Piston ring grooves are not repairable.
- **Oil Changes:** Follow the manufacturer's recommendations for engine oil changes.
- **Air Filter:** Keep the air filter clean to prevent contaminants from entering the engine.
- **Valve Clearance:** Periodically check and adjust valve clearance as specified in your golf cart's service manual.

Troubleshooting

This section provides general guidance for common issues that may arise after an engine rebuild. For complex problems,

consult a qualified mechanic or your golf cart's service manual.

Symptom	Possible Cause	Solution
Engine misfires or runs rough	Incorrect valve timing, improper spark plug gap, fuel delivery issues, vacuum leak.	Verify valve timing, check spark plugs, inspect fuel system, check for vacuum leaks.
Low compression	Improperly seated piston rings, damaged cylinder head gasket, valve issues.	Perform a compression test, re-check ring installation, inspect gaskets and valves.
Excessive smoke from exhaust	Worn valve seals, improperly installed piston rings, incorrect oil level.	Inspect valve seals, re-check piston ring orientation, verify oil level.

Specifications

- **Brand:** zozoye
- **Model Numbers:** 72505-G01, 72504-G01
- **Compatible Engine:** EZGO 4-Cycle Gas Golf Cart 350cc EH35C MCI Fuji Robin Engine
- **Compatible Years:** 1996-2002
- **Item Weight:** 2.2 pounds (approximate)
- **Package Dimensions:** 15.75 x 11.42 x 2.36 inches (approximate)

Warranty and Support

For warranty information or technical support, please contact zozoye customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

© 2025 zozoye. All rights reserved.

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

Anonymous

Email

you@example.com

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

Open the live page

https://manuals.plus/asin/B0F99TT7CN

More documents and user manuals: **https://manuals.plus/**