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› Rotary Starter Recoil Assembly for Shindaiwa A051001520 - Instruction Manual

Rotary A051001520

Rotary Starter Recoil Assembly Instruction Manual

Model: A051001520 (Replaces Shindaiwa OEM)

1. INTRODUCTION

This manual provides instructions for the installation and use of the Rotary Starter Recoil Assembly. This component is designed as a direct replacement for specific Shindaiwa and Red Max blower models, ensuring reliable engine starting.

Compatibility:

- Replaces Shindaiwa OEM part numbers: A051001520, 68206-75010
- Replaces Red Max OEM part number: T4030-75100
- Fits Red Max Blower Models: EB4300, EB431, EB4400, EB4401, EB441, EB6200, EB7000, EB7000RH, EB7001, EB7001RH, EBZ4800, EBZ4800RH, EBZ5000, EBZ5000Q, EBZ5100, EBZ5100-CA, EBZ5100RH, EBZ5100RH-CA

2. SAFETY INFORMATION

Always prioritize safety when working with power tools and replacement parts. Failure to follow these safety guidelines may result in injury or damage to equipment.

- **Read Instructions:** Read this entire manual before installation or use.
- **Disconnect Power:** Ensure the engine is completely off and cooled down before attempting any installation or maintenance. Disconnect the spark plug wire to prevent accidental starting.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- **Proper Tools:** Use the correct tools for the job.
- **Secure Work Area:** Work in a well-lit, stable area.
- **Professional Assistance:** If you are unsure about any step, consult a qualified service technician.

3. PACKAGE CONTENTS

The package contains one (1) Rotary Starter Recoil Assembly.



Image 1: The Rotary Starter Recoil Assembly. This image shows the complete assembly, including the housing, pull cord, and handle, ready for installation.

4. SETUP AND INSTALLATION

This recoil assembly is designed for bolt-on installation. Follow these general steps for replacement. Specific steps may vary slightly depending on your equipment model.

1. **Prepare Equipment:** Ensure the engine is off, cool, and the spark plug wire is disconnected.
2. **Locate Old Assembly:** Identify the existing starter recoil assembly on your equipment. It is typically located on the side of the engine.
3. **Remove Old Assembly:** Using appropriate tools (e.g., screwdriver or socket wrench), carefully unfasten the bolts or screws securing the old recoil assembly to the engine housing. Note the position and orientation of the old assembly for correct installation of the new one.
4. **Inspect Mounting Area:** Clean any debris or dirt from the mounting surface on the engine.
5. **Position New Assembly:** Place the new Rotary Starter Recoil Assembly into position, aligning the mounting holes with those on the engine housing. Ensure the pull cord is oriented correctly for easy access.

6. **Secure New Assembly:** Insert and tighten the bolts or screws to secure the new assembly. Do not overtighten, as this can damage the housing or threads. Ensure the assembly is firmly attached and does not wobble.
7. **Reconnect Spark Plug:** Reconnect the spark plug wire.
8. **Test:** Gently pull the starter cord a few times to ensure it retracts smoothly and engages the engine flywheel correctly.

5. OPERATING INSTRUCTIONS

Once installed, the recoil starter operates as follows:

1. **Prime Engine (if applicable):** Follow your equipment's specific instructions for priming the engine (e.g., pressing a primer bulb).
2. **Choke (if applicable):** Set the choke lever according to your equipment's starting procedure.
3. **Pull Cord:** Grip the starter handle firmly. Pull the cord slowly until you feel resistance, then give a quick, strong pull. Allow the cord to retract fully before pulling again.
4. **Start Engine:** Repeat pulling until the engine starts. Once started, gradually move the choke to the 'run' position as the engine warms up.

Important: Do not let the starter cord snap back against the housing. Guide it gently back to prevent damage to the recoil mechanism.

6. MAINTENANCE

Regular maintenance helps prolong the life of your recoil starter assembly.

- **Keep Clean:** Periodically clean the recoil assembly housing to prevent dirt and debris from entering the mechanism.
- **Inspect Cord:** Regularly inspect the starter cord for fraying or wear. Replace the cord if any damage is observed.
- **Lubrication:** The internal spring mechanism is typically self-lubricating or sealed. Avoid applying external lubricants unless specifically recommended by the equipment manufacturer, as this can attract dirt.
- **Storage:** When storing equipment, ensure the recoil assembly is clean and dry.

7. TROUBLESHOOTING

If you encounter issues with your recoil starter, consider the following:

- **Cord Does Not Retract:**
 - Check for obstructions around the cord exit point.
 - The internal recoil spring may be broken or dislodged. This typically requires replacement of the entire assembly.
- **Cord Pulls Freely Without Engaging:**
 - The starter pawls (dogs) may be stuck or broken, preventing engagement with the engine flywheel.
 - The flywheel cup on the engine may be damaged.

- **Engine Does Not Start:**

- Ensure the recoil assembly is engaging the engine properly.
- Check other engine components such as fuel, spark plug, and carburetor. The issue may not be with the recoil starter itself.

8. SPECIFICATIONS

Feature	Detail
Brand	Rotary
Item Dimensions (L x W x H)	4 x 2.5 x 7 inches
Item Weight	7.84 ounces
Installation Type	Bolt-On
Compatible Vehicle Type	Lawn Mower (and other compatible outdoor power tools)
Replaces OEM Part Numbers	Shindaiwa A051001520, 68206-75010; Red Max T4030-75100

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Specific warranty terms may vary.