

Stens 150-899

Stens 150-899 Recoil Starter Assembly Instruction Manual

Model: 150-899 | Brand: Stens

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Stens 150-899 Recoil Starter Assembly. This component is designed as a direct replacement for specific Robin Subaru EX17 6HP engines. Please read this manual thoroughly before attempting any installation or operation to ensure safety and optimal performance.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with engine components:

- Ensure the engine is turned off and cooled down before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Use correct tools for the job to avoid damage to parts or injury.
- Keep children and bystanders away from the work area.
- Refer to your engine's original service manual for specific safety warnings and procedures.

3. COMPATIBILITY

The Stens 150-899 Recoil Starter Assembly is compatible with the following engine models and replaces the listed OEM part numbers:

- **Engine Models:** Robin Subaru EX17 (6 HP engines)
- **Replaces OEM Part Numbers:**
 - Subaru: 269-50201-00
 - Subaru: 269-50201-10
 - Subaru: 269-50201-20
 - Subaru: 269-50201-30
 - Subaru: 269-50201-40

4. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1x Stens 150-899 Recoil Starter Assembly
- 1x Starter Cup (included)
- *Note: Mounting hardware may not be included and should be retained from the original assembly or purchased separately if needed.*



Figure 1: Stens 150-899 Recoil Starter Assembly and separate starter cup. The assembly includes the housing, rope, and handle, while the cup is a separate component that engages with the starter.

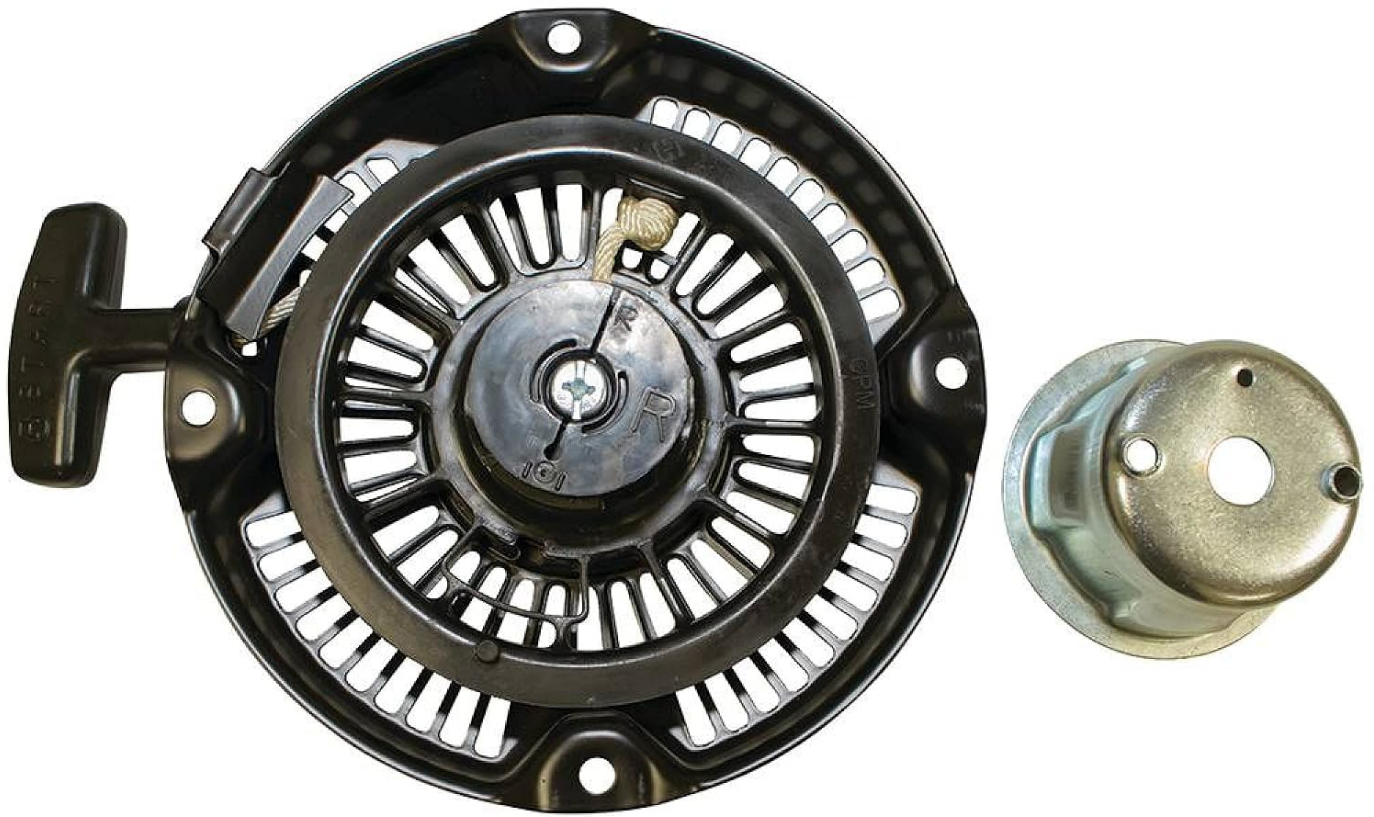


Figure 2: Underside view of the Stens 150-899 Recoil Starter Assembly, showing the internal mechanism and the separate starter cup. This view highlights the engagement points for the engine.

5. INSTALLATION INSTRUCTIONS

Follow these steps to install the recoil starter assembly:

1. **Preparation:** Ensure the engine is off, cool, and the spark plug wire is disconnected. Clear any debris from the area around the old starter.
2. **Remove Old Starter:** Locate and remove the bolts or screws securing the old recoil starter assembly to the engine housing. Carefully detach the old assembly. Note the orientation for reinstallation.
3. **Inspect Starter Cup:** If your engine uses a separate starter cup, inspect it for wear or damage. Replace if necessary. The Stens 150-899 includes a new starter cup, which should be installed if the old one is damaged or missing.
4. **Position New Starter:** Align the new Stens 150-899 Recoil Starter Assembly with the mounting holes on the engine housing. Ensure the starter rope handle is accessible and the starter cup (if separate) is correctly seated.

- 5. **Secure Starter:** Insert the mounting bolts/screws and tighten them securely. Do not overtighten, as this can damage the housing.
- 6. **Test Engagement:** Gently pull the starter rope a few times to ensure smooth engagement with the engine's flywheel and proper recoil. The rope should pull out smoothly and retract fully.
- 7. **Reconnect Spark Plug:** Once installation is complete and verified, reconnect the spark plug wire.

If you are unsure about any step, consult a qualified service technician.

6. OPERATING INSTRUCTIONS

To start your engine using the recoil starter:

- 1. **Engine Preparation:** Ensure the engine's fuel valve is open, the choke is set correctly (if applicable), and the ignition switch is in the "ON" position.
- 2. **Grip Handle:** Firmly grasp the starter handle.
- 3. **Pull Slowly:** Pull the starter rope slowly until you feel resistance (the compression stroke).
- 4. **Pull Sharply:** Once resistance is felt, pull the rope with a rapid, full stroke. Do not pull the rope to its absolute maximum length or let it snap back. Guide it gently as it recoils.
- 5. **Repeat if Necessary:** If the engine does not start, repeat the process. Avoid excessive pulling without allowing the starter to cool, as this can cause wear.

7. MAINTENANCE

Proper maintenance can extend the life of your recoil starter:

- **Keep Clean:** Regularly clean the starter assembly to prevent dirt and debris from interfering with the recoil mechanism.
- **Inspect Rope:** Periodically inspect the starter rope for fraying or damage. Replace the rope if any wear is observed to prevent breakage during operation.
- **Lubrication:** Lightly lubricate the recoil spring and pivot points with a suitable lubricant (e.g., silicone spray or light grease) if the recoil action becomes sluggish. Avoid over-lubrication.
- **Storage:** When not in use for extended periods, store the engine in a clean, dry environment to protect the starter from corrosion.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Rope does not retract fully.	Debris in mechanism, weak recoil spring, lack of lubrication.	Clean the assembly, lubricate spring, replace spring if necessary.
Rope pulls out but does not engage engine.	Damaged starter pawls, worn starter cup, incorrect installation.	Inspect pawls and starter cup for wear; ensure correct installation. Replace damaged parts.
Rope is frayed or broken.	Normal wear and tear, improper pulling technique.	Replace the starter rope. Ensure proper pulling technique.
Engine does not start after pulling.	Not a starter issue; engine-related problem (fuel, spark, compression).	Check fuel level, spark plug, ignition switch, and choke settings. Consult engine manual.

9. SPECIFICATIONS

- **Model:** Stens 150-899
- **Replaces OEM Part Numbers:** Subaru 269-50201-00, 269-50201-10, 269-50201-20, 269-50201-30, 269-50201-40
- **Fits Engine Models:** Robin Subaru EX17 (6 HP)
- **Material:** Alloy Steel (as per product specifications)
- **Dimensions (Approximate):** 8.6 x 8.2 x 2.2 inches
- **Weight (Approximate):** 1 pound (16 ounces)
- **Includes:** Recoil Starter Assembly, Starter Cup

10. WARRANTY AND SUPPORT

For specific warranty information regarding your Stens 150-899 Recoil Starter Assembly, please refer to the documentation provided with your purchase or contact Stens customer support directly. Stens is a trusted supplier of aftermarket parts. For technical assistance or replacement parts, visit the official Stens website or contact their customer service department.

Manufacturer: Stens

Contact Information: Please refer to the Stens official website for the most current contact details.

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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.

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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