

MTD Genuine Parts 753-08159

MTD 753-08159 Genuine Starter Pawl Kit Instruction Manual

Model: 753-08159

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1. INTRODUCTION

This manual provides instructions for the proper installation and maintenance of the MTD 753-08159 Genuine Starter Pawl Kit. This kit is designed to replace worn or damaged starter pawls in compatible outdoor power equipment, ensuring reliable engine starting. Please read this manual thoroughly before attempting any installation or repair.



Image 1.1: MTD Genuine Factory Parts Logo. This logo signifies authentic replacement parts from MTD.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with power equipment and replacement parts:

- **Disconnect Spark Plug:** Before performing any service or maintenance, always disconnect the spark plug wire to prevent accidental engine starting.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE), including safety glasses and gloves.
- **Engine Cool Down:** Allow the engine to cool completely before handling any components to avoid burns.
- **Refer to Equipment Manual:** Consult your equipment's original owner's manual for specific safety instructions and disassembly procedures.
- **Use Correct Tools:** Ensure you have the correct tools for the job to prevent damage to parts or injury.
- **Secure Equipment:** Place the equipment on a stable, level surface before beginning work.

3. PACKAGE CONTENTS

The MTD 753-08159 Genuine Starter Pawl Kit typically includes the following components:

- Starter Pawls (2)
- Pawl Springs (2)
- Retaining E-Clips (2)



Image 3.1: Components of the MTD 753-08159 Starter Pawl Kit. Shown are two white plastic pawls, two metal springs, and two black E-clips.

4. COMPATIBILITY

This starter pawl kit (MTD Part Number 753-08159) is a genuine OEM replacement part compatible with various outdoor power equipment models from brands including, but not limited to:

- Cub Cadet
- Troy-Bilt
- Yard-Man
- Other MTD-manufactured brands

Always verify the part number against your equipment's owner's manual or existing part to ensure correct fitment.

5. INSTALLATION INSTRUCTIONS

The following steps outline the general procedure for replacing the starter pawl kit. Specific disassembly and reassembly steps may vary slightly depending on your equipment model. Always refer to your equipment's service manual for detailed instructions.

Required Tools:

- Screwdriver (Phillips or flathead, depending on fasteners)
- Pliers (for E-clips and springs)
- Socket wrench set (if engine shroud bolts are present)

Procedure:

1. **Prepare Equipment:** Ensure the engine is off and cool. Disconnect the spark plug wire to prevent accidental starting.

2. **Access Starter Assembly:** Locate the recoil starter assembly, typically found on top of the engine. You may need to remove an engine shroud or cover to access it. Use appropriate tools to remove any retaining bolts or screws.
3. **Remove Recoil Starter:** Carefully detach the entire recoil starter assembly from the engine.
4. **Disassemble Starter Housing:** If necessary, open the recoil starter housing to expose the internal components, including the old pawls, springs, and E-clips. Note the orientation of these parts before removal.
5. **Remove Old Pawls:** Using pliers or a small screwdriver, carefully remove the old E-clips, springs, and pawls from their posts. Dispose of these worn parts responsibly.
6. **Install New Pawls:** Place the new pawls onto their respective posts in the recoil starter. Ensure they are oriented correctly.
7. **Install New Springs:** Attach the new pawl springs to the pawls and their anchor points. The springs should allow the pawls to retract when not engaged and extend when the starter rope is pulled.
8. **Secure with E-Clips:** Use pliers to carefully install the new E-clips onto the posts, securing the pawls and springs in place. Ensure the E-clips are fully seated.
9. **Test Pawl Function:** Manually operate the pawls to ensure they move freely and engage/disengage correctly.
10. **Reassemble Starter:** Reassemble the recoil starter housing and reattach the entire assembly to the engine. Secure all bolts and screws.
11. **Reconnect Spark Plug:** Reconnect the spark plug wire.
12. **Test Engine Start:** Attempt to start the engine to verify proper operation of the new starter pawl kit.

6. MAINTENANCE

The starter pawl kit itself requires minimal maintenance. However, regular inspection of the recoil starter assembly is recommended:

- **Inspect for Wear:** Periodically check the pawls and springs for signs of wear, cracks, or deformation. Replace the kit if significant wear is observed.
- **Keep Clean:** Ensure the area around the pawls is free from dirt, debris, and grass clippings, which can impede their movement.
- **Lubrication:** Lightly lubricate the pivot points of the pawls with a dry lubricant or a small amount of grease if recommended by your equipment's manufacturer. Avoid excessive lubrication that could attract dirt.

7. TROUBLESHOOTING

If you experience issues after installing the new starter pawl kit, consider the following:

Problem	Possible Cause	Solution
Starter rope pulls but engine does not engage.	Pawls not extending or engaging flywheel cup.	Check pawl orientation, spring installation, and ensure E-clips are not binding movement. Clean any debris.
Starter rope feels stiff or pawls do not retract.	Pawls or springs are binding, or debris is present.	Disassemble and inspect for proper spring placement and free movement of pawls. Clean thoroughly.
Pawls appear damaged shortly after installation.	Incorrect installation or underlying issue with flywheel cup.	Re-verify installation steps. Inspect the flywheel cup for damage or excessive wear that could be damaging the pawls.

8. SPECIFICATIONS

- **Part Number:** 753-08159
- **Brand:** MTD Genuine Parts

- **Material:** Metal (springs, E-clips), Plastic (pawls)
- **Voltage:** N/A (mechanical part)
- **Wattage:** N/A (mechanical part)
- **UPC:** 680642006068

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your MTD Genuine Parts, please refer to the documentation provided with your original equipment or visit the official MTD website. Genuine MTD parts are designed to meet strict quality standards and ensure optimal performance and longevity of your equipment.

You can find more information and contact details on the [MTD Genuine Parts Store](#).

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