

[Manuals.plus](#) /

› [Owigift](#) /

› Owigift Starter Motor Replacement Manual for Poulan Pro PB185H42LT

Owigift PB185H42LT

Owigift Starter Motor Replacement Manual

For Poulan Pro PB185H42LT, PB 185H42 LT Lawn Tractors

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Owigift Starter Motor, designed as a direct replacement for Poulan Pro PB185H42LT and PB 185H42 LT lawn tractors. Please read this manual thoroughly before beginning any work to ensure proper installation and safe operation.

SAFETY INFORMATION

Always prioritize safety when working with machinery. Disconnect the battery before performing any maintenance or replacement. Wear appropriate personal protective equipment (PPE), including safety glasses and gloves. Ensure the lawn tractor is on a stable, level surface and the parking brake is engaged.

- Disconnect battery terminals before installation.
- Ensure the tractor is off and cooled down.
- Use appropriate tools.
- Keep work area clean and well-lit.

SETUP AND INSTALLATION

This section outlines the steps for replacing the starter motor. It is recommended to have basic mechanical knowledge and tools for this procedure.

Tools Required:

- Wrench set (metric/SAE as needed)
- Socket set
- Battery terminal cleaner
- Safety glasses and gloves

Installation Steps:

1. **Prepare the Tractor:** Ensure the lawn tractor is turned off, the key is removed, and the parking brake is engaged.

Disconnect the negative (-) battery terminal first, then the positive (+) terminal to prevent accidental shorts.

2. **Locate the Old Starter Motor:** The starter motor is typically located near the engine flywheel. Refer to your tractor's specific service manual for its exact location if unsure.
3. **Disconnect Wiring:** Carefully disconnect any electrical wires attached to the old starter motor. Note their positions for re-connection.
4. **Remove Mounting Bolts:** Loosen and remove the bolts securing the old starter motor to the engine block. Support the motor as you remove the last bolt to prevent it from falling.
5. **Remove Old Starter:** Carefully pull the old starter motor away from the engine.
6. **Install New Starter:** Position the new Owigift starter motor in place, aligning it with the mounting holes. Insert and hand-tighten the mounting bolts.
7. **Secure Mounting Bolts:** Tighten the mounting bolts securely. Do not overtighten.
8. **Connect Wiring:** Reconnect the electrical wires to the new starter motor. Ensure all connections are clean and tight.
9. **Reconnect Battery:** Reconnect the positive (+) battery terminal first, then the negative (-) terminal. Ensure connections are secure.
10. **Test Operation:** Attempt to start the lawn tractor to verify the new starter motor is functioning correctly.



Figure 1: Close-up view of the Owigift Starter Motor, showing the main body, electrical terminal, and mounting end. This image highlights the robust construction and key connection points of the replacement part.

OPERATING INSTRUCTIONS (POST-INSTALLATION)

After successful installation of the new starter motor, follow these general operating guidelines for your lawn tractor:

- Ensure all safety interlocks are engaged (e.g., brake pedal pressed, PTO disengaged).
- Turn the ignition key to the "START" position. The new starter motor should engage the engine smoothly.
- Once the engine starts, release the key to the "RUN" position.
- If the engine does not start on the first attempt, wait a few seconds before trying again to allow the starter motor to cool. Avoid prolonged cranking.

MAINTENANCE

While the starter motor itself requires minimal maintenance, ensuring the overall health of your tractor's electrical system will prolong its life.

- **Battery Health:** Regularly check your tractor's battery for proper charge and clean terminals. A weak battery can put undue strain on the starter motor.
- **Wiring Connections:** Periodically inspect all wiring connections to the starter motor and battery for corrosion or looseness. Clean and tighten as necessary.
- **Engine Condition:** Ensure your engine is well-maintained and easy to start. A hard-starting engine will cause the starter motor to work harder and wear out faster.

TROUBLESHOOTING

If you encounter issues after installing the new starter motor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Starter motor clicks but does not turn.	Low battery charge, loose battery cables, faulty solenoid.	Charge or replace battery. Clean and tighten battery terminals. Check solenoid connections.
Starter motor spins but engine does not crank.	Bendix gear not engaging flywheel, damaged flywheel teeth.	Inspect starter bendix and flywheel for damage. May require starter replacement if bendix is faulty.
No response from starter motor.	Dead battery, faulty ignition switch, open circuit in wiring, faulty safety switch.	Check battery voltage. Test ignition switch. Inspect all wiring for breaks or corrosion. Verify safety interlocks are engaged.

SPECIFICATIONS

The Owigift Starter Motor is designed to meet or exceed OEM specifications for the listed models.

- **Brand:** Owigift
- **Model Compatibility:** Poulan Pro PB185H42LT, PB 185H42 LT Lawn Tractors
- **Material:** Metal
- **Part Type:** Starter Motor Replacement
- **ASIN:** B0986R5D34
- **UPC:** 718997298446

WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your Owigift Starter Motor, please refer to the product listing on the retailer's website or contact Owigift customer service directly. Keep your purchase receipt as proof of purchase.

Note: Warranty terms may vary. This manual does not constitute a warranty statement.

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