

Owigift 917.20383

Owigift Starter Motor Replacement Manual

For Craftsman 46" T 2400 T2400 Lawn Mower Tractor Models 917.203830, 917.203831

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Owigift Starter Motor Replacement. This starter motor is designed as a direct replacement for 46" Craftsman T 2400 and T2400 Lawn Mower Tractors, specifically models 917.203830 and 917.203831, equipped with a 19Hp engine. Please read this manual thoroughly before attempting any installation or maintenance to ensure safe and proper use of the product.

2. SAFETY INFORMATION

WARNING: Always disconnect the battery before working on the electrical system of your lawn mower tractor to prevent accidental starting or electrical shock.

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation.
- Ensure the engine is cool before beginning any work.
- Keep all tools and body parts clear of moving components.
- If you are unsure about any step, consult a qualified technician.
- Dispose of old parts responsibly according to local regulations.

3. PRODUCT OVERVIEW

The Owigift Starter Motor is a 12-volt DC, single-phase motor constructed with copper components for durability and efficient performance. It is designed to provide reliable starting power for compatible Craftsman lawn mower tractors.



Figure 3.1: Side view of the Owigift Starter Motor, highlighting the main cylindrical body and the electrical terminal.

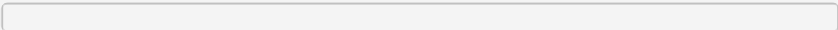


Figure 3.2: End view of the Owigift Starter Motor, showing the drive end with the pinion gear (not visible) and the mounting bolt holes.

4. INSTALLATION (SETUP)

Follow these steps carefully to replace the starter motor on your Craftsman lawn mower tractor.

- Preparation:** Park the lawn mower on a level surface, engage the parking brake, and turn off the engine. Disconnect the negative (-) battery cable first, then the positive (+) battery cable.
- Locate Old Starter:** Identify the existing starter motor, typically mounted near the engine's flywheel.
- Disconnect Wiring:** Carefully disconnect all electrical wires connected to the old starter motor. Note their positions for reinstallation.
- Remove Mounting Bolts:** 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.
- Remove Old Starter:** Carefully pull the old starter motor away from the engine.
- Install New Starter:** Position the new Owigift starter motor in place, aligning the mounting holes. Insert and hand-tighten the mounting bolts.
- Connect Wiring:** Reconnect the electrical wires to the new starter motor, ensuring all connections are secure and in their correct positions.
- Tighten Bolts:** Fully tighten the mounting bolts to the manufacturer's specifications (refer to your Craftsman mower's service manual for torque values).
- Reconnect Battery:** Reconnect the positive (+) battery cable first, then the negative (-) battery cable.
- Test:** Attempt to start the engine to confirm proper operation of the new starter motor.

5. OPERATION

The Owigift Starter Motor operates automatically as part of your lawn mower's starting system. Once installed, its function is to engage the engine's flywheel and crank the engine when the ignition key is turned to the "START" position. Ensure your battery is fully charged and all electrical connections are clean and secure for optimal starter performance.

6. MAINTENANCE

The Owigift Starter Motor is designed for minimal maintenance. However, regular checks of your mower's electrical system can prolong its lifespan and ensure reliable starting.

- Battery Condition:** Regularly check your mower's battery for proper charge and clean terminals. A weak battery can strain the starter motor.
- Electrical Connections:** Periodically inspect all wiring connections to the starter motor and battery for corrosion or looseness. Clean and tighten as necessary.
- Mounting Security:** Ensure the starter motor remains securely mounted to the engine block.

7. TROUBLESHOOTING

Symptom	Possible Cause	Solution
Starter clicks but engine does not crank.	Weak or dead battery; loose or corroded battery cables; faulty solenoid.	Charge or replace battery; clean and tighten battery cables; test/replace solenoid.

Symptom	Possible Cause	Solution
Starter motor spins but engine does not crank.	Faulty starter drive (bendix gear) not engaging flywheel; damaged flywheel teeth.	Inspect starter drive for damage; inspect flywheel teeth. Replacement of starter or flywheel may be necessary.
No response when turning ignition key.	Blown fuse; faulty ignition switch; safety interlock switch engaged; completely dead battery.	Check and replace fuses; test ignition switch; ensure all safety switches (e.g., seat, PTO, brake) are engaged; check battery.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional mechanic or the mower's service manual.

8. SPECIFICATIONS

Brand: Owigift
Model Number: 917.20383 (Compatible with 917.203830, 917.203831)
Voltage: 12 Volts (DC)
Material: Copper (internal components)
Phase Type: Single Phase
UPC: 017015815659
Compatibility: 46" Craftsman T 2400 T2400 Lawn Mower Tractors with 19Hp Engine

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Owigift Starter Motor, please refer to the original purchase documentation or contact Owigift customer service directly. Contact details are typically available on the product packaging or the seller's website.
Always provide your product model number (917.20383) and purchase date when seeking support.

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