Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Briggs & Stratton 497595

Briggs & Stratton 497595 Starter Motor User Manual

Genuine Replacement Part for Outdoor Power Equipment

1. Introduction

This manual provides comprehensive information for the Briggs & Stratton 497595 Starter Motor. This component is a genuine Briggs & Stratton replacement part, engineered to meet exact OEM standards for optimal performance and durability in compatible engines. It is crucial for initiating the engine's operation in various outdoor power equipment.

Using genuine Briggs & Stratton parts ensures that your engine continues to comply with applicable EPA emission regulations and maintains its intended operational efficiency.

2. Safety Information

Always prioritize safety when working with power equipment and electrical components. Failure to follow safety instructions can result in serious injury or damage to equipment.

- **Disconnect Battery:** Before performing any installation, maintenance, or troubleshooting, always disconnect the battery cables (negative first) to prevent accidental starting or electrical shock.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses, gloves, and sturdy footwear.
- **Consult Engine Manual:** Refer to your specific engine's service manual for detailed, model-specific safety precautions and procedures.
- **Ventilation:** Ensure adequate ventilation if working in an enclosed space, especially when dealing with fuel or battery fumes.
- **Hot Surfaces:** Engines and components can become extremely hot during operation. Allow sufficient time for cooling before handling.
- **California Proposition 65 Warning:** This product may expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. Product Specifications

The following table details the key specifications for the Briggs & Stratton 497595 Starter Motor:

Specification	Value
Model Number	497595
Brand	Briggs & Stratton
Voltage	12 Volts
Wattage	116.67 watts
Amperage	116.67 Amps
Material	Metal
Product Dimensions (L x W x H)	4.25 x 4.5 x 5 inches
Item Weight	1.25 pounds (0.57 Kilograms)
Replaces Part Numbers	5406 H, 394805, 392749
UPC	024847375558, 024847874952

4. Installation Guide

Replacing a starter motor requires careful attention to detail. Always refer to your specific engine's service manual for precise instructions and torque specifications. The following are general steps for installation:

1. **Preparation:** Ensure the engine is cool. Disconnect the spark plug wire(s) and then disconnect the battery (negative terminal first, then positive).
2. **Locate Starter:** Identify the existing starter motor on your engine. It is typically mounted near the flywheel.
3. **Disconnect Wiring:** Carefully disconnect all electrical connections to the old starter motor. Note their positions for reinstallation.
4. **Remove Old Starter:** Unbolt the old starter motor from the engine block. Be prepared for it to be heavy.
5. **Inspect Mounting Area:** Clean any debris or corrosion from the mounting surface on the engine block.
6. **Install New Starter:** Position the new Briggs & Stratton 497595 Starter Motor and secure it with the mounting bolts. Tighten bolts to the manufacturer's specified torque.
7. **Reconnect Wiring:** Reconnect all electrical wires to the new starter motor, ensuring secure and correct connections.
8. **Reconnect Battery:** Reconnect the battery cables (positive terminal first, then negative). Reconnect the spark plug wire(s).
9. **Test:** Attempt to start the engine to verify proper operation of the new starter motor.



Figure 1: The Briggs & Stratton 497595 Starter Motor, showing its main body and gear assembly.

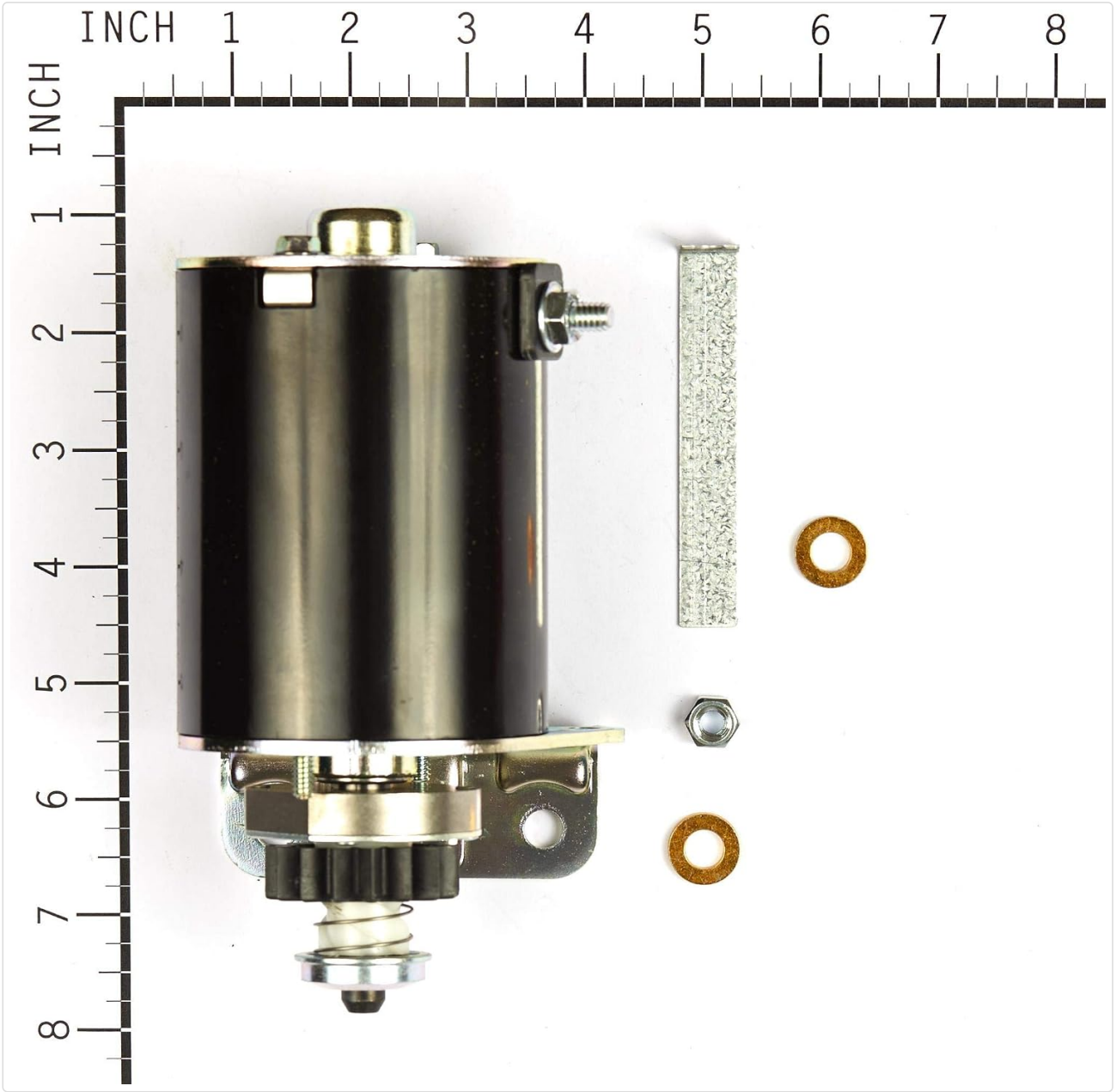

Figure 2: The Briggs & Stratton 497595 Starter Motor displayed with a ruler for scale, indicating its approximate dimensions.



Figure 3: The official Briggs & Stratton packaging for the 497595 Starter Motor, confirming it as a genuine service part.

5. Maintenance

Proper maintenance can extend the life of your starter motor and ensure reliable engine starts. While the starter motor itself requires minimal routine maintenance, consider the following:

- **Battery Condition:** Ensure your battery is fully charged and in good condition. A weak battery can overwork the starter motor.
- **Clean Connections:** Periodically inspect and clean the battery terminals and starter motor electrical connections to ensure good conductivity and prevent corrosion.
- **Engine Tune-up:** A well-tuned engine starts more easily, reducing strain on the starter motor. Follow your engine's recommended tune-up schedule.
- **Avoid Excessive Cranking:** If the engine does not start after a few seconds of cranking, stop and diagnose the issue. Continuous cranking can overheat and damage the starter motor.

6. Troubleshooting Common Issues

If you experience issues with your engine starting, consider these common troubleshooting steps related to the starter motor:

- **Starter Does Not Engage (No Click/No Sound):**
  - Check battery charge and connections.
  - Inspect the starter solenoid for proper function.
  - Verify all safety interlock switches (e.g., seat switch, PTO switch) are engaged correctly.
- **Starter Clicks But Engine Does Not Crank:**
  - Indicates power is reaching the solenoid, but not the starter motor, or the starter motor is seized.
  - Check for loose or corroded connections at the starter motor.
  - Test the starter motor directly (with caution and proper safety measures).
- **Slow Cranking:**
  - Low battery charge is a common cause.
  - Corroded battery terminals or starter connections.
  - Engine oil too thick for cold weather.
  - Internal issues with the starter motor (e.g., worn brushes).
- **Starter Spins But Does Not Engage Flywheel:**
  - The starter drive (bendix) may be faulty or stuck.
  - Inspect the flywheel teeth for damage.

If these steps do not resolve the issue, it is recommended to consult a qualified service technician or refer to the detailed service manual for your specific engine model.

7. Warranty Information

As a genuine Briggs & Stratton part, the 497595 Starter Motor is covered by Briggs & Stratton's standard warranty policy for replacement parts. For specific details regarding warranty coverage, terms, and conditions, please refer to the official Briggs & Stratton website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

8. Customer Support

For further assistance, technical support, or to locate authorized service centers, please visit the official Briggs & Stratton website or contact their customer service department:

- **Briggs & Stratton Official Website:** www.briggsandstratton.com
- Refer to the website for contact numbers and support options specific to your region.

© 2024 Briggs & Stratton. All rights reserved.

This manual is for informational purposes only. Always consult a qualified technician for complex repairs.

Ask a question about this manual

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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

Open the live page

https://manuals.plus/asin/B004RMTZB2

More documents and user manuals: **https://manuals.plus/**