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Briggs & Stratton Repair Manual Part No. 270962-12/03

Briggs & Stratton Single Cylinder L-Head Engine Repair Manual

For Engines Built After 1981

Introduction to Your Repair Manual

This manual provides comprehensive instructions for the adjustment, tune-up, and repair of most Briggs & Stratton Single Cylinder L-Head (side valve) engines manufactured after 1981. It serves as a vital resource for technicians and enthusiasts, offering detailed, easy-to-follow guidance to ensure proper engine function and longevity. This is the same manual utilized by Authorized Briggs & Stratton Service Centers, containing over 350 pages of essential technical information.

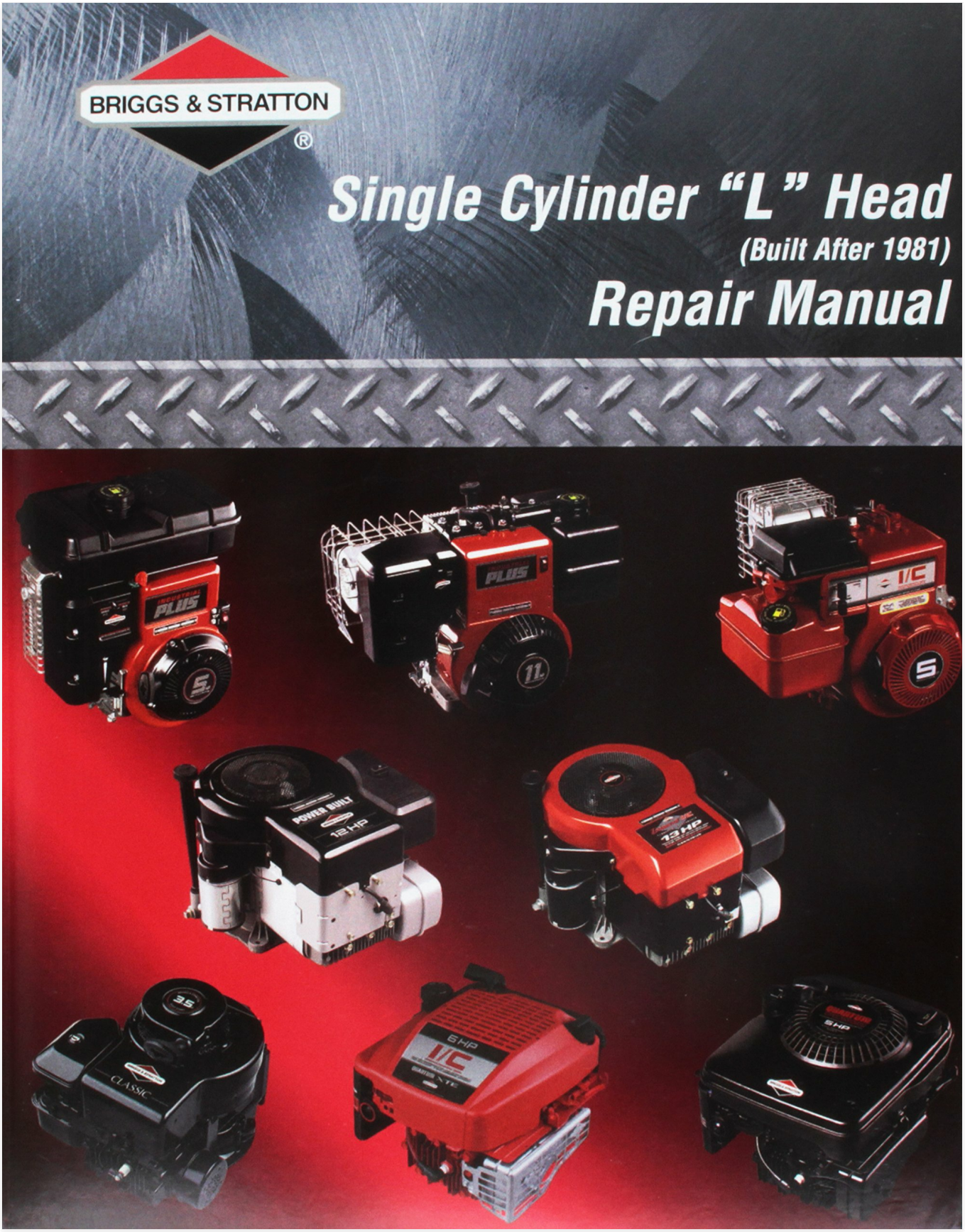


Image: Front cover of the Briggs & Stratton Single Cylinder L-Head Engine Repair Manual. The cover features the Briggs & Stratton logo and the manual's title, indicating its purpose for single cylinder L-head engines built after 1981.

Using This Manual

This repair manual is structured to guide you through various procedures, from basic adjustments to complex repairs. Each section is designed for clarity, providing step-by-step instructions and diagrams to assist in accurate service. Familiarize yourself with the manual's layout to quickly locate the information pertinent to your specific task.

Maintenance Procedures

Regular maintenance is crucial for the optimal performance and lifespan of your Briggs & Stratton engine. This manual details all recommended maintenance schedules and procedures, including:

- Oil changes and filter replacement
- Spark plug inspection and replacement
- Air filter cleaning and replacement
- Fuel system checks and cleaning
- Valve clearance adjustment
- Carburetor adjustments

Adhering to these guidelines will help prevent common issues and maintain engine efficiency.

Troubleshooting Guide

Encountering an engine problem? This manual includes a comprehensive troubleshooting section to help diagnose and resolve issues efficiently. It covers common symptoms and provides logical steps to identify the root cause, such as:

- Engine fails to start
- Engine runs rough or stalls
- Loss of power
- Excessive smoke
- Unusual noises

Follow the diagnostic charts and procedures to pinpoint and correct malfunctions.

Engine Specifications

Detailed specifications for Single Cylinder L-Head engines built after 1981 are provided within this manual. These specifications include critical measurements, torque values, and clearances necessary for accurate assembly and repair. Always refer to the specific engine model's specifications before performing any service.

Repair Procedures

This section offers in-depth repair instructions for various engine components. From minor part replacements to major overhauls, the manual provides clear guidance on disassembly, inspection, repair, and reassembly. Illustrations and diagrams accompany the text to clarify complex steps.

Additional Briggs & Stratton Repair Manuals

For other Briggs & Stratton engine types, the following repair manuals are available for order:

- **CE8069** - Repairman's Handbook (1919-1981)
- **271172** - Twin Cylinder "L" Head
- **272144** - Vanguard™ V-Twin OHV
- **272147** - Single Cylinder OHV
- **273521** - Intek™ V-Twin OHV
- **275072** - Micro Engine



Image: Back cover of the Briggs & Stratton Repair Manual. This image displays a list of other available repair manuals, the Briggs & Stratton logo, company address, part number 270962-12/03, and a barcode.

Support and Resources

For further assistance, genuine parts, or to locate an authorized service center, please visit the official Briggs & Stratton website:

www.briggsandstratton.com

Briggs & Stratton Corporation
Milwaukee, WI 53201
Part No. 270962-12/03

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