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Briggs & Stratton 14, 14B, 14C, 14F, 14FB, 14FBC, 14FBPC, 14FBP, 14P, 14R6, 14R60

Briggs & Stratton Engine Models 14, 14B, 14C, 14F, 14FB, 14FBC, 14FBPC, 14FBP, 14P, 14R6, 14R60 Operating and Maintenance Manual

For 4-Cycle Air-Cooled Engines

Introduction

This manual provides comprehensive operating, maintenance, and parts information for Briggs & Stratton 4-cycle air-cooled engine models 14, 14B, 14C, 14F, 14FB, 14FBC, 14FBPC, 14FBP, 14P, 14R6, and 14R60. It is designed to assist owners and operators in understanding the proper use, care, and servicing of their engine to ensure optimal performance and longevity. Refer to this manual for detailed instructions and diagrams.



Image Description: This image displays two manuals. On the left is a 'SERVICE MANUAL' for '4 Cycle Air-Cooled Engines BASIC & SPECIAL MODELS' by Briggs & Stratton, featuring illustrations of various engine components. On the right is an 'OPERATING AND MAINTENANCE MANUAL WITH PARTS CATALOG' for Briggs & Stratton Engine MODELS '14'-'14B'-'14C'-'14F'-'14FB'-'14FBC' '14FBPC'-'14FBP'-'14P'-'14R6'-'14R60'. Both manuals are presented as physical copies.

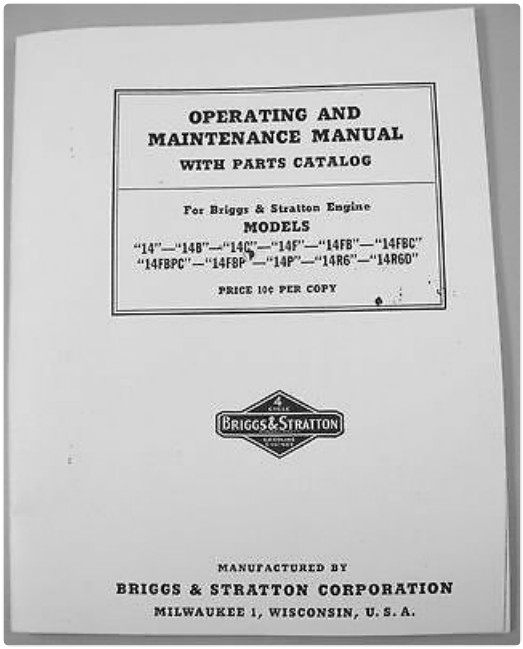

Image Description: A close-up view of the cover for the 'OPERATING AND MAINTENANCE MANUAL WITH PARTS CATALOG' for Briggs & Stratton Engine MODELS '14'-'14B'-'14C'-'14F'-'14FB'-'14FBC' '14FBPC'-'14FBP'-'14P'-'14R6'-'14R60'. The cover also states 'PRICE 10c PER COPY' and 'MANUFACTURED BY BRIGGS & STRATTON CORPORATION MILWAUKEE 1, WISCONSIN, U. S. A.'.

General Information

This section provides fundamental information regarding the design, function, and safety precautions associated with your Briggs & Stratton engine. Familiarize yourself with these details before proceeding with operation or maintenance.

Operator's Section

Preparation for Use

Before operating the engine, ensure all pre-operational checks are completed. This includes verifying fuel levels, oil levels, and the condition of air filters. Refer to the specific instructions for your model to ensure proper setup.

How to Start

Follow these steps for safe and effective engine starting:

1. Ensure the fuel valve is open.
2. Set the choke to the 'START' position if the engine is cold.
3. Set the throttle to the 'FAST' position.
4. Pull the starter rope firmly until the engine starts.
5. Once started, gradually move the choke to the 'RUN' position.

Lubrication

Proper lubrication is critical for engine longevity. Always use the recommended oil type and viscosity for your engine model. Check the oil level before each use and change the oil according to the maintenance schedule outlined in this manual.

Storage Instructions

For periods of extended storage, prepare your engine to prevent damage. This typically involves stabilizing the fuel, draining the carburetor, removing the spark plug to add a small amount of oil to the cylinder, and cleaning the engine exterior.

Maintenance Section

Regular maintenance is essential for the reliable operation of your Briggs & Stratton engine. This section details various maintenance procedures.

Engine Trouble Chart

Consult the engine trouble chart for common issues and their potential solutions. This chart provides a quick reference for diagnosing problems such as failure to start, loss of power, or excessive smoke.

Servicing Reference Chart

This chart outlines recommended service intervals for various components, including oil changes, air filter cleaning/replacement, spark plug inspection, and valve adjustments.

Disassembling the Engine

Detailed instructions for safely disassembling engine components for repair or inspection. Follow all safety precautions and use appropriate tools.

The Fuel System

Information on the fuel tank, fuel lines, fuel filter, and carburetor. Includes procedures for cleaning and troubleshooting fuel delivery issues.

The Governor

Explanation of the governor's function in maintaining engine speed and instructions for adjustment and maintenance.

The Ignition System

This section covers the components of the ignition system, including the spark plug, ignition coil, and breaker points (if applicable). Proper maintenance ensures reliable starting and consistent engine performance.



THE MAGNETIC IGNITION SYSTEM

Image Description: A page from the maintenance section of the manual, illustrating procedures for the ignition system. It shows diagrams for 'Remote Throttle Control' and 'THE MAGNETIC IGNITION SYSTEM', including steps for checking and adjusting spark plugs and breaker points. Text describes how to remove the spark plug, clean and adjust breaker points, and replace breaker points.

Lubrication System

Details on the engine's lubrication system, including oil pump, oil passages, and recommended oil specifications.

Valves

Instructions for inspecting, adjusting, and servicing engine valves and valve seats.

Cylinder

Information on cylinder inspection, cleaning, and potential reboring procedures.

Crankshaft

Details on crankshaft inspection, bearing replacement, and proper installation.

Cam Shaft and Cam Gear

Instructions for inspecting and replacing camshaft and cam gear components.

Piston Assembly and Connecting Rod

Procedures for inspecting, cleaning, and assembling the piston, piston rings, and connecting rod.

Air Cleaner

Maintenance of the air cleaner element is crucial. Regularly inspect, clean, or replace the air filter as specified to prevent dirt from entering the engine.

Muffler

Information on muffler inspection and replacement to ensure proper exhaust flow and noise reduction.

Overload

Guidance on identifying and addressing engine overload conditions to prevent damage.

Parts Section

This section provides detailed information for identifying and ordering replacement parts for your Briggs & Stratton engine.

How to Find Part Number

Instructions on how to locate the correct part numbers using the provided illustrations and lists.

Illustration of Parts

Exploded views and diagrams of engine components to aid in part identification.

Parts List

A comprehensive list of all replaceable parts, typically including part numbers and descriptions.

Where to Order Parts

Information on how to obtain genuine Briggs & Stratton replacement parts.

Specifications

This section outlines the technical specifications for Briggs & Stratton engine models 14, 14B, 14C, 14F, 14FB,

14FBC, 14FBPC, 14FBP, 14P, 14R6, and 14R60. It includes details such as engine type, displacement, horsepower, bore, stroke, ignition type, and recommended spark plug gap. Refer to the specific model information within the manual for precise values.

Warranty Information

Details regarding the manufacturer's warranty for Briggs & Stratton engines are typically found on page 37 of the original manual. This section covers the terms, conditions, and duration of the warranty, as well as procedures for making a warranty claim. Keep your proof of purchase for warranty purposes.

Support and Service

For technical assistance, service, or to locate genuine replacement parts, contact an authorized Briggs & Stratton service dealer. A list of authorized service distributors can typically be found on the back cover of the original manual. These distributors are equipped to provide expert service and support for your engine.

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