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› AgPubs Bobcat 825 Skidsteer Loader Service Repair Manual

AgPubs 825

AgPubs Bobcat 825 Skidsteer Loader Service Repair Manual

Comprehensive guide for repair, overhaul, and troubleshooting of the Bobcat 825 Skidsteer Loader.

INTRODUCTION TO YOUR SERVICE MANUAL

This manual provides detailed instructions for the service, repair, overhaul, and troubleshooting of the Bobcat 825 Skidsteer Loader. It is designed to assist technicians and owners in performing maintenance and repair tasks efficiently and correctly.

Understanding the different types of manuals is crucial for effective equipment maintenance:

- **Service Manual:** Focuses on repair procedures, overhaul instructions, and troubleshooting guides. This manual falls into this category.
- **Operators Manual:** Covers basic maintenance, operational procedures, fluid types and quantities, and adjustments.
- **Parts Catalog:** Provides exploded views, part names, and factory (OEM) part numbers for ordering replacement components.

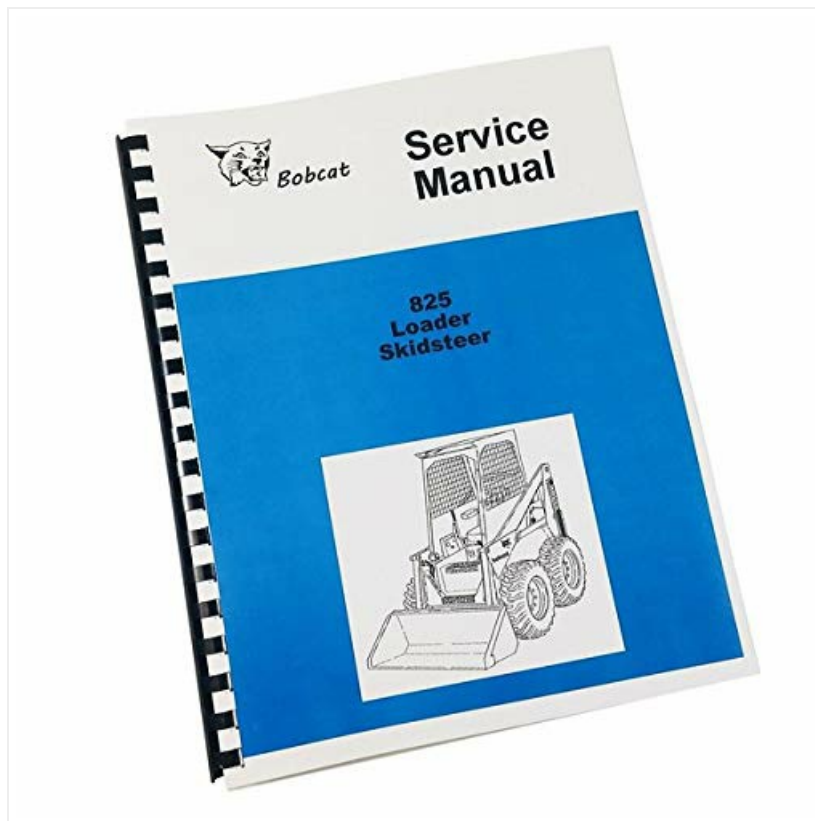


Image: Front cover of the AgPubs Service Repair Manual for Bobcat 825 Skidsteer Loader.

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Image: A page from the manual showing the table of contents, listing sections such as Electrical System, Engine Service, Hydraulic System, and Preventive Maintenance.

1. PREVENTIVE MAINTENANCE

Regular preventive maintenance is essential for the longevity and optimal performance of your Bobcat 825 Skidsteer Loader. This section outlines routine checks, lubrication schedules, and adjustments to prevent major breakdowns and ensure safe operation.

Key areas covered include daily inspections, fluid level checks, filter replacements, and general cleaning procedures. Adhering to the recommended maintenance schedule will significantly reduce wear and tear on components.

2. HYDRAULIC SYSTEM

The hydraulic system is critical for the operation of the Bobcat 825's attachments and steering. This section details the components, operation, and maintenance of the hydraulic system, including pumps, valves, cylinders, and hoses. Instructions for troubleshooting common hydraulic issues, fluid replacement, and component repair are provided. Proper maintenance of the hydraulic system ensures smooth and powerful operation.

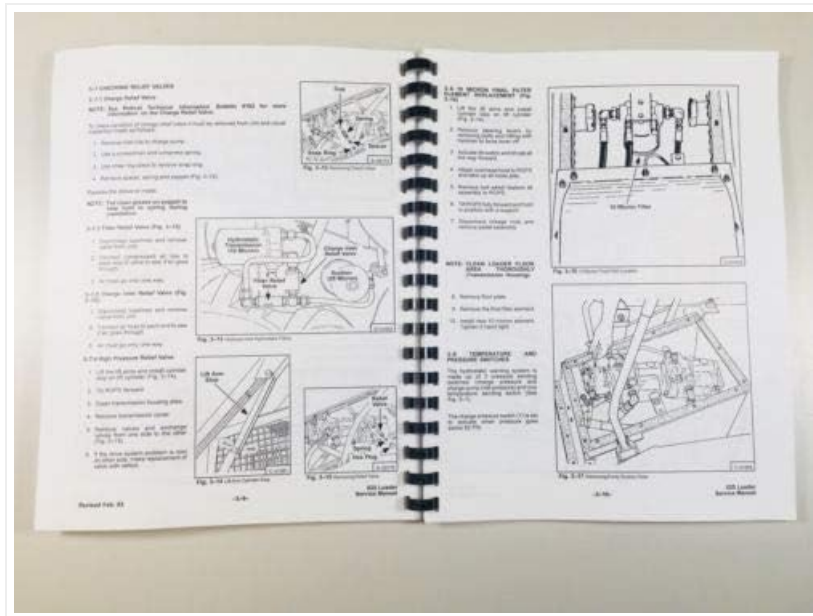


Image: A page from the manual displaying detailed diagrams of hydraulic system components and their connections, illustrating various valves and lines.

3. HYDROSTATIC SYSTEM

The hydrostatic system controls the drive and steering of the skidsteer loader. This section covers the hydrostatic pumps, motors, and associated controls. It provides guidance on diagnosing and repairing issues related to drive performance and maneuverability.

Detailed flow charts and component breakdowns assist in understanding the system's operation and facilitate accurate troubleshooting.

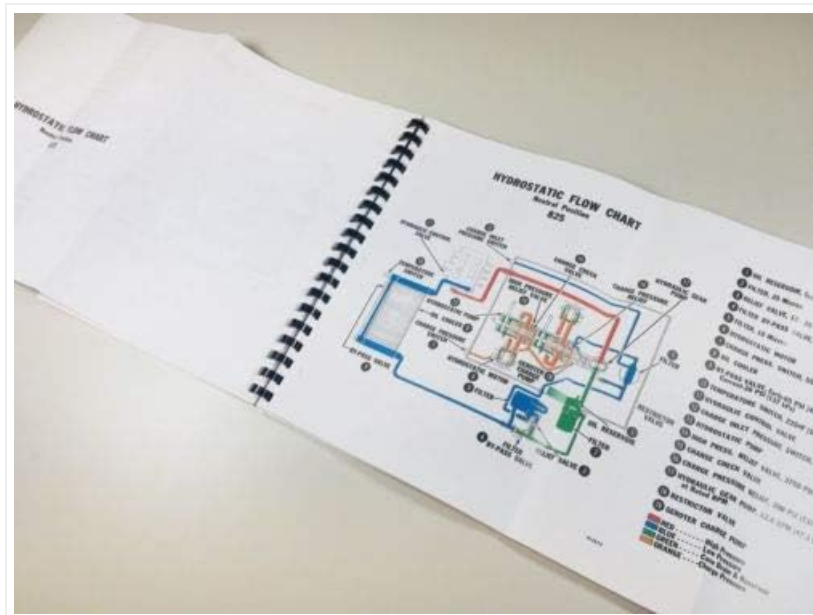


Image: A detailed hydrostatic flow chart for the Bobcat 825, illustrating the path of hydraulic fluid through pumps, motors, and valves, with numbered components and a color-coded legend.

4. MECHANICAL TRANSMISSION

This section addresses the mechanical transmission components, including gears, shafts, and bearings, that work in conjunction with the hydrostatic system to deliver power to the wheels. It provides instructions for inspection, repair, and replacement of these parts.

Proper lubrication and adjustment procedures are highlighted to ensure efficient power transfer and prevent premature wear.

5. MAIN FRAME

The main frame provides the structural integrity for the Bobcat 825 Skidsteer Loader. This section covers inspection for cracks, damage, and alignment issues. It also includes procedures for repairing structural components and ensuring the overall stability of the machine.

Information on mounting points for various components and general structural maintenance is also included.

6. ELECTRICAL SYSTEM

This section details the electrical components of the Bobcat 825, including the battery, starter, alternator, wiring harnesses, lights, and control circuits. It provides troubleshooting guides for electrical malfunctions, wiring diagrams, and repair procedures for various electrical components.

Safety precautions for working with electrical systems are emphasized to prevent injury and damage.

7. ENGINE SERVICE

The engine is the power source of the Bobcat 825. This comprehensive section covers all aspects of engine maintenance, repair, and overhaul. It includes procedures for diagnostics, tune-ups, fuel system service, cooling system maintenance, and major engine component replacement.

Detailed instructions for cylinder head removal, piston inspection, and valve adjustments are provided to ensure optimal engine performance and longevity.

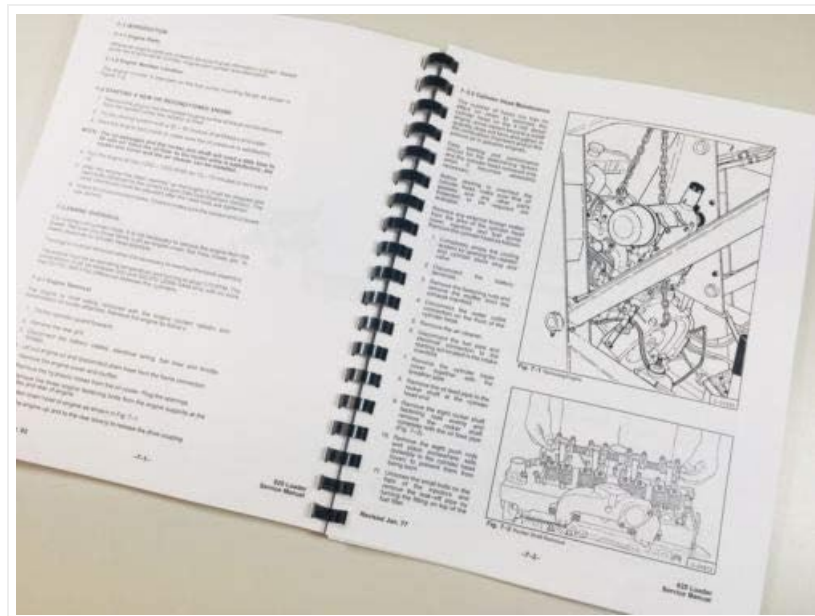


Image: A page from the manual showing detailed text instructions and diagrams for engine service, including procedures for cylinder head removal and inspection.

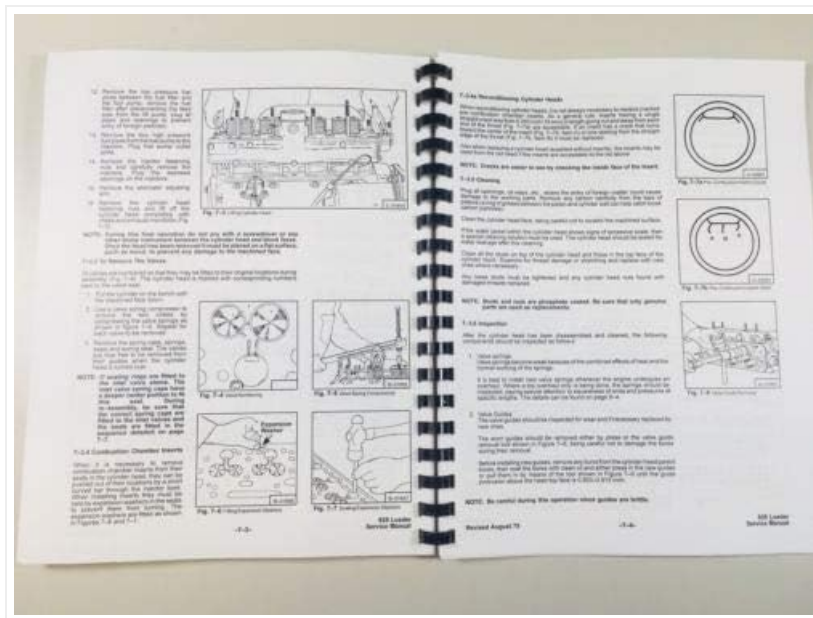


Image: Another page from the manual illustrating engine component overhaul, with diagrams showing parts like pistons, valves, and cylinder heads during disassembly and inspection.

8. SPECIFICATIONS

This section provides technical specifications for the Bobcat 825 Skidsteer Loader, including dimensions, weights, fluid capacities, torque values, and performance data. These specifications are crucial for proper maintenance, repair, and ordering correct replacement parts.

Specification	Detail
Manufacturer	AgPubs (Manual Publisher)
Model	Bobcat 825 Skidsteer Loader
Manual Type	Service / Repair / Overhaul / Troubleshooting
ASIN	B07K2D2ZWV

9. TROUBLESHOOTING GUIDE

This section offers a systematic approach to diagnosing and resolving common operational issues with the Bobcat 825 Skidsteer Loader. It includes flowcharts and symptom-based tables to help identify the root cause of problems related to the engine, hydraulics, hydrostatic system, and electrical components.

Follow the diagnostic steps carefully to pinpoint failures and apply the appropriate corrective actions, minimizing downtime and repair costs.



This manual is a reproduction and intended for informational and repair purposes only. Always prioritize safety and consult with certified professionals when necessary.

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