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Bobcat S570 Skid-Steer Loader Service Manual

Official Workshop and Repair Instructions

1. INTRODUCTION

This service manual provides comprehensive information for the maintenance, troubleshooting, and repair of the Bobcat S570 Skid-Steer Loader. It is intended for qualified service personnel to ensure proper operation and longevity of the equipment. Adherence to the procedures outlined herein is crucial for safety and optimal performance.

This manual covers Bobcat S570 models with the following serial numbers:

- S/N A7U711001 & Above
- S/N A7U811001 & Above
- S/N AZNB11001 & Above
- S/N AZNC11001 & Above

The Bobcat S570 Skid-Steer Loader is equipped with the Bobcat Interlock Control System (BICS™), a critical safety feature detailed within this manual.



Figure 1: Cover of the Bobcat S570 Skid-Steer Loader Service Manual. This image displays the front cover of the physical manual, indicating the Bobcat brand, the manual type (Service Manual), the model (S570 Skid-Steer Loader), and the applicable serial number ranges. An illustration of the S570 skid-steer loader is prominently featured, along with a note about the Bobcat Interlock Control System (BICS™).

2. SAFETY INFORMATION

Always prioritize safety when performing any service or maintenance on the Bobcat S570. Read and understand all safety decals on the machine and the safety section of this manual before beginning any work. Failure to follow safety instructions can result in serious injury or death.

- Ensure the machine is parked on a level surface, the engine is off, and the parking brake is engaged before servicing.
- Relieve all hydraulic pressure before disconnecting hydraulic lines or components.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and protective footwear.
- Never work under a raised loader arm without proper support devices.
- Keep the work area clean and well-lit.

3. GENERAL SERVICE PROCEDURES

This section outlines general procedures applicable to various service tasks. Specific repair instructions for individual components are detailed in subsequent sections.

3.1 Preparation for Service

- Clean the machine thoroughly to prevent contamination of systems.
- Gather all necessary tools, diagnostic equipment, and replacement parts.
- Disconnect the battery before performing electrical work.

3.2 Component Removal and Installation

Follow the step-by-step instructions for removing and installing components. Pay close attention to torque specifications for fasteners and proper routing of hoses and wiring.

4. MAINTENANCE

Regular maintenance is essential for the reliable operation and extended lifespan of your Bobcat S570. This section details routine inspection, lubrication, and fluid replacement schedules.

4.1 Daily Checks

- Check engine oil level.
- Inspect hydraulic fluid level.
- Check coolant level.
- Inspect tires for damage and proper inflation.
- Clean debris from radiator and oil cooler fins.

4.2 Scheduled Maintenance

Refer to the detailed maintenance schedule within the manual for specific intervals for filter changes, lubrication points, and system inspections.

5. TROUBLESHOOTING

This section provides a guide to diagnosing common operational issues. For complex problems, consult the detailed diagnostic charts and procedures found in the main body of the service manual.

5.1 Engine Related Issues

- **Engine Fails to Start:** Check battery charge, fuel level, and starter motor operation.
- **Loss of Power:** Inspect air filter, fuel filter, and fuel supply.

5.2 Hydraulic System Issues

- **Slow or Weak Hydraulics:** Verify hydraulic fluid level, inspect for leaks, and check hydraulic filter condition.
- **Loader Arms Drift:** Check for internal cylinder leakage or faulty control valve.

6. SPECIFICATIONS

Key specifications for the Bobcat S570 Skid-Steer Loader and this service manual are provided below.

Specification	Detail
Make	Bobcat
Model	S570 Skid-Steer Loader
Manual Type	Service Manual
Part Number	6989675
Number of Pages	952

Specification	Detail
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