

[Manuals.plus](#) /

› [Bobcat](#) /

› Bobcat 943 Workshop Repair Manual

Bobcat Bobcat 943 Skid Steer Loader, Model 6570008

Bobcat 943 Skid Steer Loader Workshop Repair Manual

Model: 943, Part Number: 6570008

INTRODUCTION

This workshop repair manual provides comprehensive servicing and adjustment procedures for the Bobcat 943 skid steer loader. It covers the loader's various component parts and systems, enabling proper maintenance and repair. For operational instructions, starting procedures, and daily checks, please refer to the separate Operation & Maintenance Manual.

This manual is intended for qualified service personnel and provides detailed information necessary to perform maintenance and repair tasks safely and effectively.



Image: Front cover of the Bobcat 943 Workshop Repair Manual. The cover features the Bobcat logo, the model number "943" prominently displayed vertically, and a line drawing of a Bobcat skid steer loader. The title "Service Manual" is also visible.

GENERAL SAFETY INFORMATION

Always observe safety precautions when working on the Bobcat 943. Failure to do so can result in serious injury or death. This manual outlines specific safety procedures relevant to repair and maintenance tasks.

- Read and understand all safety decals on the machine.
- Wear appropriate personal protective equipment (PPE).
- Disconnect the battery before performing any electrical work.
- Relieve hydraulic pressure before disconnecting hydraulic lines.
- Ensure the machine is stable and supported before working underneath it.

SETUP AND PREPARATION FOR SERVICE

Before commencing any service or repair work, proper setup and preparation are crucial for safety and efficiency.

1. Machine Placement

Position the Bobcat 943 on a flat, level, and stable surface. Engage the parking brake and lower the lift arms and attachment to the ground. If the lift arms must be raised for access, secure them with the lift arm support device.

2. Engine Shutdown

Turn off the engine and remove the key from the ignition. Allow sufficient time for hot components to cool down before handling.

3. System Depressurization

Relieve pressure from all hydraulic systems. This typically involves cycling the control levers after the engine is off to bleed residual pressure. Consult the specific section for detailed hydraulic system depressurization procedures.

4. Battery Disconnection

For any electrical work or extended service, disconnect the battery cables, starting with the negative (-) terminal first.

OPERATING PROCEDURES (FOR SERVICE CHECKS)

While this is a repair manual, certain diagnostic and adjustment procedures require the machine to be operated or specific systems to be active. Always follow safety guidelines when operating the machine during service.

1. Engine Start-Up for Diagnostics

Ensure all safety interlocks are engaged before starting the engine. Monitor gauges and indicators for abnormal readings. Do not operate the machine if any critical warning lights are illuminated.

2. Hydraulic System Cycling

When checking hydraulic pressures or flow, cycle the hydraulic functions (lift, tilt, auxiliary) through their full range of motion. Observe for smooth operation, leaks, or unusual noises.

3. Drive System Checks

For drive system diagnostics, operate the machine slowly in a clear, open area. Check for proper steering, braking, and drive engagement. Avoid sudden movements.

MAINTENANCE PROCEDURES

Regular maintenance is essential for the longevity and optimal performance of the Bobcat 943. This section outlines key

maintenance tasks.

1. Fluid Checks and Replacements

- **Engine Oil:** Check daily. Replace every 250 hours or annually, whichever comes first. Use recommended oil type.
- **Hydraulic Fluid:** Check daily. Replace every 1000 hours or as needed based on fluid condition.
- **Coolant:** Check daily. Maintain proper level and concentration. Replace every 2 years.
- **Fuel Filter:** Replace every 500 hours or as specified.

2. Filter Replacements

- **Air Filter:** Inspect daily, clean or replace as necessary.
- **Hydraulic Filter:** Replace every 250 hours or as specified.

3. Lubrication

Grease all pivot points, pins, and bearings according to the lubrication chart provided in the manual. Frequency varies by component, typically every 8-10 hours of operation.

4. Belt Tension and Condition

Inspect engine belts for cracks, fraying, and proper tension. Adjust or replace as needed.

TROUBLESHOOTING GUIDE

This section provides a basic guide to common issues and their potential solutions. For detailed diagnostic procedures, refer to the specific system sections within this manual.

Problem	Possible Cause	Solution
Engine Fails to Start	Low battery charge, fuel system issue, faulty starter.	Check battery terminals, charge battery, inspect fuel lines/filters, test starter.
Loss of Hydraulic Power	Low hydraulic fluid, clogged filter, faulty pump, relief valve issue.	Check fluid level, replace filter, inspect pump/valves.
Overheating Engine	Low coolant, clogged radiator, faulty thermostat, fan belt issue.	Check coolant level, clean radiator, test thermostat, inspect fan belt.
Unusual Noises During Operation	Loose components, worn bearings, fluid cavitation.	Inspect for loose parts, check bearing play, bleed air from hydraulic system.

SPECIFICATIONS

Key specifications for the Bobcat 943 Skid Steer Loader, as covered by this manual.

Vehicle: Bobcat 943 Skid Steer Loader

Parts Number: 6570008

Print Year: 1986

Pages: 370

Manual Type: Workshop Repair Manual

For detailed engine, hydraulic, and electrical specifications, refer to the respective chapters within the manual.

WARRANTY AND SUPPORT

This manual is a third-party publication providing repair information for the Bobcat 943. For information regarding the original manufacturer's warranty for the Bobcat 943 skid steer loader, please consult the official Bobcat documentation that came with your machine or contact an authorized Bobcat dealer.

For support related to the content of this specific workshop repair manual, please refer to the seller or publisher from whom it was acquired. This manual is intended as a technical reference and does not imply any warranty from the original equipment manufacturer.

Seller: Service Repair Manuals

Contact: Refer to your purchase documentation for direct seller contact information or visit the seller's page on the platform where this manual was purchased.

© 1986 Bobcat Company (Manual Print Year). This document is a reproduction of the original workshop repair manual.

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