New Holland B104, B124, BH114, BH124

New Holland Backhoe Attachment Operators Manual

Models: B104, B124, BH114, BH124

1. Introduction

This Operators Manual is a reproduction of the original manufacturer-issued document, providing essential technical information and operating instructions for New Holland B104, B124, BH114, and BH124 Backhoe Attachments. It is designed to assist operators in understanding the correct procedures for safe operation, routine maintenance, and basic troubleshooting. Adherence to the guidelines presented in this manual is crucial for ensuring the longevity, efficiency, and safe use of your backhoe attachment.

This guide covers aspects from initial setup to detailed repair and reassembly processes, making it an invaluable resource for both daily operation and more extensive service requirements. Always refer to the original manufacturer's safety guidelines and local regulations.

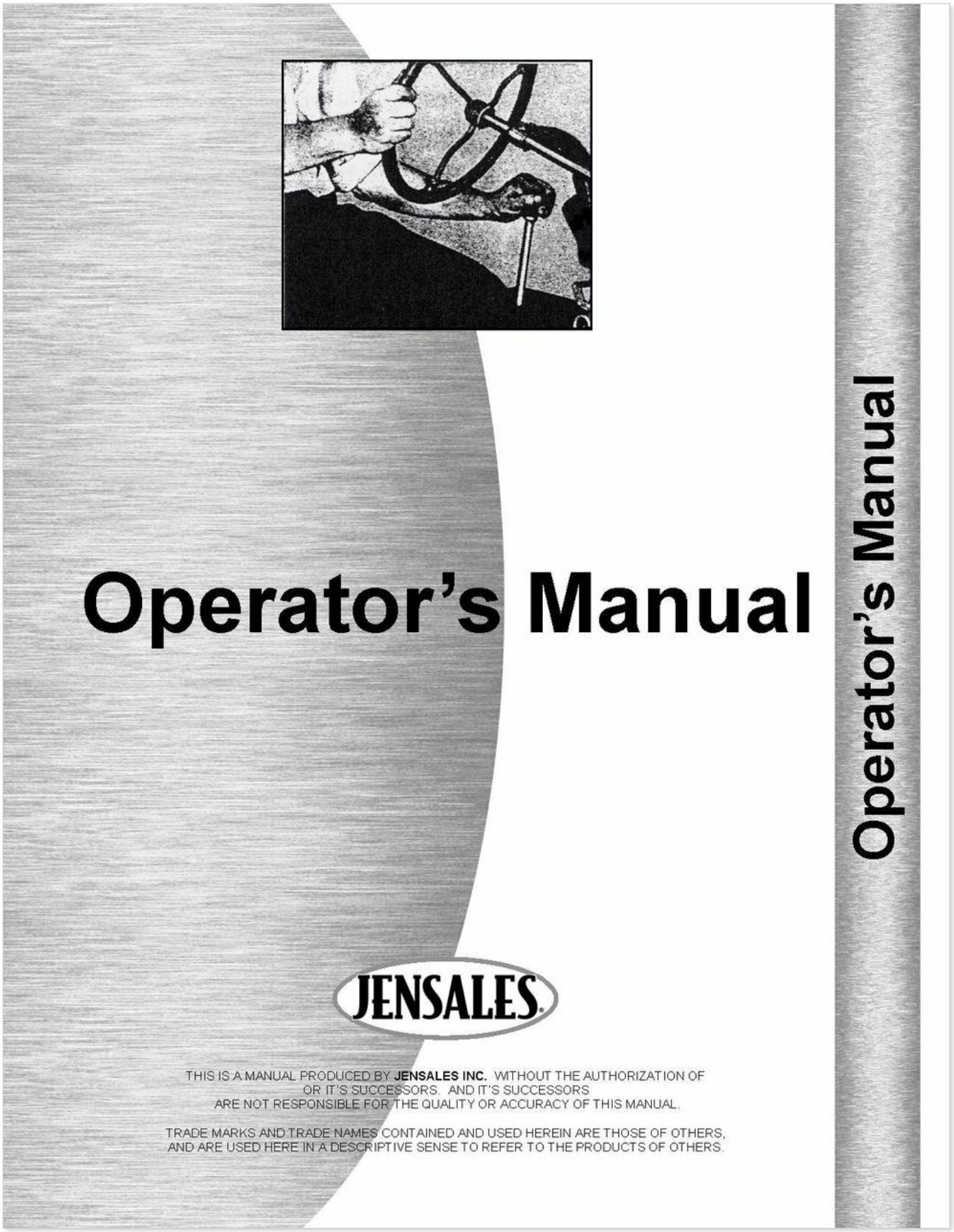


Image 1.1: Cover of the New Holland Backhoe Attachment Operators Manual. This image displays the front cover of the manual, indicating the models covered and the New Holland branding.

2. Safety Information

Operating heavy machinery requires strict adherence to safety protocols to prevent injury or damage. Always read and understand all safety decals on the equipment and in this manual before operation.

2.1 Personal Protective Equipment (PPE)

- Always wear appropriate PPE, including hard hat, safety glasses, hearing protection, safety footwear, and gloves.
- Avoid loose clothing that could become entangled in moving parts.

2.2 Machine Safety

- Ensure all guards and safety devices are in place and functioning correctly.
- Never operate the backhoe from outside the operator's station.
- Keep bystanders clear of the operating area.
- Before starting, check for underground utilities and overhead obstructions.
- Lower the boom and bucket to the ground when leaving the operator's station or parking the machine.

3. Setup and Installation

Proper installation of the backhoe attachment is critical for safe and efficient operation. Refer to your tractor or prime mover's manual for specific attachment points and hydraulic system requirements.

3.1 Attaching the Backhoe

1. Position the prime mover on a level, stable surface.
2. Align the backhoe attachment with the mounting points on the prime mover.
3. Securely fasten all pins, bolts, and locking mechanisms as per manufacturer specifications.

3.2 Hydraulic Connections

1. Ensure the prime mover's hydraulic system is off and pressure is relieved before connecting hoses.
2. Connect the hydraulic hoses from the backhoe to the corresponding quick-couplers on the prime mover. Ensure connections are clean and free of debris.
3. Verify all connections are tight and secure to prevent leaks.

3.3 Stabilizer Setup

Before operation, extend the stabilizers to lift the rear wheels of the prime mover slightly off the ground, providing a stable digging platform. Ensure the stabilizers are firmly planted on solid ground.

4. Operating Procedures

Familiarize yourself with all controls before operating the backhoe. Practice in an open, safe area until proficient.

4.1 Pre-Operation Checks

- Check hydraulic fluid levels.
- Inspect all hoses and connections for leaks or damage.
- Verify all pins and fasteners are secure.
- Ensure the operator's station is clean and free of obstructions.

4.2 Control Lever Functions

The backhoe typically uses a two-lever control system. Refer to the control pattern decal in your operator's station for specific functions. Common functions include boom lift/lower, dipper in/out, bucket curl/dump, and swing left/right.

4.3 Digging Techniques

- Position the backhoe for optimal reach and stability.

- Use smooth, controlled movements of the levers.
- Avoid overloading the bucket, which can strain the machine and reduce stability.
- Dig in layers, pulling material towards the machine.

4.4 Transporting the Backhoe

Before moving the prime mover, fully retract the boom, dipper, and bucket, and raise the stabilizers. Secure the backhoe in its transport position according to manufacturer guidelines.

5. Maintenance

Regular maintenance is essential for the reliable operation and extended lifespan of your New Holland backhoe attachment.

5.1 Daily Checks

- Inspect for loose fasteners, damaged hoses, or hydraulic leaks.
- Check pivot points and grease fittings for proper lubrication.
- Clean debris from the machine, especially around hydraulic components.

5.2 Lubrication

Grease all pivot points, pins, and bushings at recommended intervals using the specified lubricant. Refer to the lubrication chart in the full manual for detailed locations and frequencies.

5.3 Hydraulic System Maintenance

- Monitor hydraulic fluid levels regularly and top up with the recommended fluid type.
- Replace hydraulic filters at specified service intervals to maintain system cleanliness.
- Inspect hydraulic hoses for wear, cracks, or bulges. Replace damaged hoses immediately.

6. Troubleshooting

This section provides basic troubleshooting steps for common operational issues. For complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Loss of hydraulic power	Low hydraulic fluid level, clogged filter, pump issue	Check fluid level and add if necessary. Inspect/replace filter. Consult service manual for pump diagnostics.
Backhoe not swinging	Swing cylinder issue, control valve problem	Check hydraulic pressure to swing cylinders. Inspect control valve for proper function.
Unusual noises during operation	Loose components, worn bearings, hydraulic cavitation	Inspect for loose pins or bolts. Check for proper lubrication. Ensure hydraulic fluid is at correct level and free of air.

7. Specifications

This digital reproduction of the New Holland Operators Manual contains detailed specifications for the B104, B124, BH114, and BH124 Backhoe Attachments within its pages. For precise measurements, capacities, and performance data, please refer to the relevant sections of the complete manual.

General specifications for this manual document itself:

- **Print Length:** 72 pages
- **Publication Date:** January 1, 2015

8. Warranty and Support

Information regarding product warranty, authorized service centers, and customer support for New Holland backhoe attachments is typically provided with the original purchase documentation or by an authorized New Holland dealer. This operators manual reproduction does not contain specific warranty terms or direct support contact information. Please consult your dealer or the official New Holland website for current warranty policies and support services.

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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.

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