

# NEW HOLLAND

**Series 46LB  
Quick Attach  
Farm Loader**

# OPERATOR'S MANUAL



NEW HOLLAND

**SERVICE**

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# INTRODUCTION

This manual provides operation, maintenance, assembly and parts identification for your new loader.

Your New Holland 46LB Loader is designed for use on New Holland TB 100 and TB 110 FWA and 2WD tractors.

Successful operation and long life of your loader depends, of course, on proper operation and the care given it. Please read this manual carefully and follow all instructions. Correct operation and maintenance will save much time and expense.



This SAFETY ALERT SYMBOL identifies IMPORTANT SAFETY MESSAGES in this manual. OBSERVE and FOLLOW all SAFETY MESSAGES to prevent personal INJURY.


Reference to left and right used in this manual refer to position when standing at the rear of the unit facing forward, unless otherwise specified.

If at any time you have a service problem with your loader, or need new parts, contact your local New Holland equipment dealer.

Your dealer will need your loader model, serial number and component number\* to give you prompt efficient service.

Record your serial and component numbers below. Also record date of purchase.

\* Your loader serial and component numbers are stamped on

 <b>NEW HOLLAND</b>	
<b>MODEL NO.</b>	<b>SERIAL NO.</b>
<b>46LB</b>	
<b>COMPONENT</b>	
<b>NEW HOLLAND NORTH AMERICA, INC.</b> <b>MADE IN U.S.A.</b>	

this plate located on the inside of the left boom arm.

**DATE PURCHASED** \_\_\_\_\_

# SAFETY PRECAUTIONS

Following are precautions suggested to help prevent accidents.

A careful operator operates best. Most accidents can be avoided by observing certain precautions. Read all precautions that follow before operating your tractor and loader to help prevent accidents. Equipment should be operated only by those who are responsible and instructed to do so.

## GENERAL

1. Read your Operator's Manuals carefully before using tractor or loader. Lack of operating knowledge can lead to accidents.
2. Replace damaged or illegible safety decals. See page 22 for required decals.
3. Operate tractor and loader only from operator's seat.

## TRACTOR

1. Use an approved roll bar and seat belt for safe operation. Overturning a tractor without a rollbar can result in death or injury. If your tractor is not equipped with a rollbar and seat belt, see your Tractor Dealer.
2. On units with foldable ROPS: Always use seat belt with ROPS in raised position. Do not use seat belt if ROPS is lowered.
3. Add recommended wheel ballast and/or rear weight as recommended in owner's manual to provide good stability.
4. Move rear wheels to widest settings recommended to increase stability.
5. Move and turn tractor at low speeds.

## LOADER

1. Improper use of a loader can cause serious injury or death.
2. Do not lift or carry anybody on loader, in bucket or on attachment.
3. Never allow anyone to get under loader bucket or reach through lift arms when bucket is raised.
4. Do not walk or work under a raised loader or bucket or attachment unless it is securely blocked or held in position.
5. Avoid overhead wires and obstacles when loader is raised. Contacting electric lines can cause electrocution.
6. Make sure all parked loaders are on a hard, level surface. Engage all safety devices.

## OPERATING LOADER

1. As owner of this loader, it is your responsibility to be certain anyone operating this loader has read this manual first to be aware of safe operation of your tractor and loader.
2. Exercise caution when operating any loader with a raised loaded bucket or fork.
3. Avoid loose fill, rocks and holes. They can be dangerous for loader operation or movement.
4. Use care when operating on steep grades to maintain proper stability. Always carry bucket or attachment as low as possible.
5. Allow for loader length when making turns.
6. Stop loader arms gradually when lowering or lifting.

7. Use caution when handling loose or shiftable loads.
8. Carry bucket or attachment at a low position during transport for better visibility.
9. When parking or servicing, lower bucket to ground, stop engine and set park brakes before leaving tractor seat.
10. Operate loader controls only when properly seated at controls.
11. Using front end loaders without special attachments for handling large heavy objects such as large round or rectangular bales, logs and oil drums is **NOT RECOMMENDED**.
12. Handling large heavy objects can be extremely dangerous due to:
  - Danger of rolling tractor over.
  - Danger of upending tractor.
  - Danger of objects rolling or sliding down loader arms onto operator.
13. If you must perform this sort of work (see 12 above), protect yourself by:
  - Use proper attachments only.
  - Never lift load higher than necessary to clear ground when moving.
  - Ballast tractor rear to compensate for load.
  - Never lift large objects with equipment that does not have an anti-rollback device.
  - Move slowly and carefully, avoiding rough terrain.

## MAINTENANCE

1. When servicing or replacing pins in cylinder ends, buckets, etc., always use a drift and hammer of non-sparking material. Failure to do so could result in injury from flying metal fragments.
2. Do not modify or alter or permit anyone else to modify or alter loader or any of its components or any loader function without first consulting your Dealer. If you have any questions regarding loader modifications contact New Holland North America, Inc.
3. Always wear safety goggles when servicing or repairing tractor or loader.
4. Escaping hydraulic/diesel fluid under pressure can penetrate skin causing serious personal injury.
  - **DO NOT** use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.
  - Stop engine and relieve pressure before connecting or disconnecting hydraulic or diesel lines.
  - Tighten all connections before starting engine or pressurizing lines.
  - If any fluid is injected into skin, obtain medical attention immediately or gangrene may result.
5. Do not tamper with relief valve setting. Valve relief is factory-set. Changing relief setting can cause overloading of your tractor or loader and serious operator injury may result.

Whenever you see this symbol



It means:

**ATTENTION !  
BECOME ALERT !  
YOUR SAFETY IS INVOLVED !**

Thank you so much for reading.  
Please click the “Buy Now!”  
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