

# SERVICE MANUAL

Wheel Loaders LW110 - LW130 - LW130TC



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**NEW HOLLAND**  
**CONSTRUCTION**

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# LW110-LW130/130TC

## WHEEL LOADER

### Service Manual

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THIS ALERT SYMBOL SIGNALS IMPORTANT MESSAGES INVOLVING YOUR SAFETY.

Read and heed carefully the safety instructions listed and follow the precautions recommended to avoid potential risks and to safeguard your health and your safety.

You will find this symbol in the text of this Manual referred to the following key words:

**WARNING** - Cautions directed to avoid improper repair interventions involving potential consequences for the operator's safety.

**DANGER** - These warnings qualify specifically potential dangers for the safety of the operator or other persons directly or indirectly involved.

#### IMPORTANT NOTICE

All maintenance and repair interventions explained in this Manual **must be performed exclusively by the Service Organization of the Manufacturer**, observing strictly the instructions explained using, whenever necessary, the recommended specific tools.

Whoever performs the operations reported without following exactly the precautions is responsible on his own, for the damages that may result.

Neither the Factory nor any Organizations in its Distribution Network, including but not limited to national, regional or local distributors, are responsible for any liability arising from any damage resulting from defects caused by parts and/or components not approved by the Factory for use in maintaining and/or repairing products manufactured or merchandized by the Factory.

In any case, no warranty of any kind is made or shall be imposed with respect to products manufactured or merchandized by the Factory, when failures are caused by the use of parts and/or components not approved by the Factory.

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## AVOID ACCIDENTS

Most accidents and injuries occurring in industry, on the farm, at home or on the road, are caused by the failure of some individual to follow simple and fundamental safety rules or precautions. For this reason, **MOST ACCIDENTS CAN BE PREVENTED** by recognizing the real cause and taking the necessary precautions, before the accident occurs.

Regardless of the care used in design and construction of any type of equipment, there may be conditions that cannot be completely safeguarded against without interfering with reasonable accessibility and efficient operation.

A careful operator is the best insurance against accidents. The complete observance of one simple rule would prevent many thousands serious injuries each year.

This rule is: **Never attempt to clean, lubricate or adjust a machine while it is in motion.**



### WARNING

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**On machines having hydraulically, mechanically and/or cable controlled equipment (such as showels, loaders, dozers, scrapers etc.) be certain the equipment is lowered to the ground before servicing, adjusting and/or repairing.**

**If it is necessary to have the equipment partially or fully raised to gain access to certain items, be sure the equipment is suitably supported by means other than the hydraulic lift cylinders, cable and/or mechanical device used for controlling the equipment.**

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## **OWNER ASSISTANCE**

We at New Holland Construction and your New Holland Construction dealer want you to be completely satisfied with your investment. Normally any problems with your equipment will be handled by your dealer's Service Department. Sometimes, however, misunderstandings can occur. If your problem has not been handled to your satisfaction, we suggest the following:

1. Contact the owner or General Manager of the dealership, explain the problem, and request assistance. When additional assistance is needed, your dealer has direct access to our office.

2. If you cannot obtain satisfaction by doing this, contact the New Holland Construction office and provide them with:

- Your name, address, and telephone number
  - Machine model and serial number
  - Dealership name and address
  - Machine purchase date and amount of use
  - Nature of problem

### **NEW HOLLAND CONSTRUCTION**

**245 E. North Ave**

**Carol Stream, IL 60188-2021**

**Tel. No. (630) 260-4000**

When contacting New Holland, be aware that your problem will likely be resolved in the dealership using the dealer's facilities, equipment, and personnel. So it is important that your initial contact be with the dealer.

### **MANUAL CORRECTIONS**

If a page in this manual is found to need correction, please fax a marked page to (630)260-4565.

### **SPARE PARTS**

To maintain operating efficiency, use NEW HOLLAND original spare parts. When ordering parts, give the following informations:

- Machine model
- Machine and engine serial numbers
- Part number from the Parts Catalog

# INTRODUCTION

This service manual provides the technical information needed to properly service and maintain your machine. Use it in conjunction with the operator's manual which is supplied with the machine. Keep both manuals available for ready reference.

Whenever working on New Holland Construction equipment, left and right sides of the machine are determined by standing behind the unit, looking in the direction of travel.

The easiest and least time-consuming removal, disassembly, and reassembly procedures are detailed in the manual. Modifying these procedures is not recommended.

New Holland Construction machines are designed with emphasis on safety for operator protection. However, careless and negligent operation can still result in serious injury to persons or damage to property. Be sure to read and follow all safety instructions in this manual.

Your New Holland dealer is interested in your obtaining the most from your investment and will be glad to answer any questions you may have about your New Holland machine. When major service is required, your dealer's staff of trained service technicians is ready to serve you.

When in need of parts, always order genuine New Holland service parts from your New Holland Construction dealer. Be prepared to give your dealer the model and serial number of the engine. Record the serial numbers here.

Model \_\_\_\_\_

Serial Number \_\_\_\_\_

Engine Model \_\_\_\_\_

Engine Serial Number \_\_\_\_\_



**CAUTION: THIS SYMBOL IS USED THROUGHOUT THIS BOOK WHENEVER YOUR OWN PERSONAL SAFETY IS INVOLVED. TAKE TIME TO BE CAREFUL!**

## ABOUT IMPROVEMENTS

New Holland Construction is continually striving to improve its products. We must, therefore, reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



Thank you very much  
for your reading.  
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to get more information.