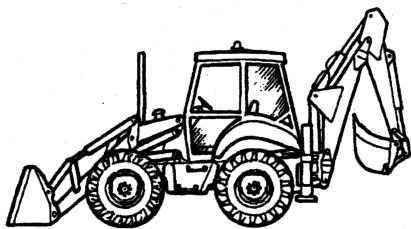
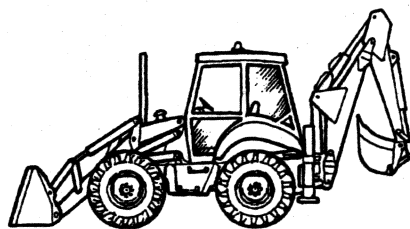


Please cut where indicated and insert the label into the plastic pocket on the spine of the binder.



**LOADER BACKHOE  
REPAIR  
LB115**

**Vol. 1  
86584406**

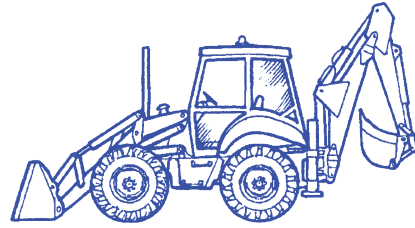


**LOADER BACKHOE  
REPAIR  
LB115**

**Vol. 1  
86584406**







# NEW HOLLAND

## LB115

Section 1 -  
Engine and Fuel  
System

# REPAIR MANUAL



# **LB115 REPAIR MANUAL CONTENTS**



**SECTION 1 - ENGINE AND FUEL SYSTEM**

**SECTION 2 - ELECTRICAL SYSTEM**

**SECTION 3 - TRANSMISSIONS**

**SECTION 4 - REAR AXLE AND BRAKES**

**SECTION 5 - STEERING AND FRONT AXLE**

**SECTION 6 - CAB AND FRAME**

**SECTION 7 - HYDRAULIC SYSTEMS**

## SECTION 1 - ENGINE AND FUEL SYSTEM

### Chapter 1 - General Instructions

#### IMPORTANT NOTICE

All maintenance and repair operations described in this manual should be carried out exclusively by NEW HOLLAND authorized workshops. All instructions detailed should be carefully observed and special equipment indicated should be used if necessary.

Everyone who carries out service operations described without carefully observing these prescriptions will be directly responsible of deriving damages.

#### SHIMMING

At each adjustment, select adjusting shims, measure them individually using a micrometer and then sum up recorded values. Do not rely on measuring the whole shimming set, which may be incorrect, or on rated value indicated for each shim.

#### ROTATING SHAFT SEALS

To correctly install rotating shaft seals, observe the following instructions:

- Let the seal soak into the same oil as it will seal for at least half an hour before mounting;
- Thoroughly clean the shaft and ensure that the shaft working surface is not damaged;
- Place the sealing lip towards the fluid. In case of a hydrodynamic lip, consider the shaft rotation direction and orient grooves in order that they deviate the fluid towards the inner side of the seal;
- Coat the sealing lip with a thin layer of lubricant (oil rather than grease) and fill with grease the gap between the sealing lip and the dust lip of double lip seals;
- Insert the seal into its seat and press it down using a suitable tool. Do not tap the seal with a hammer or a drift;
- Take care to insert the seal perpendicularly to its seat while you are pressing it. Once the seal is settled, ensure that it contacts the thrust element if required;
- To prevent damaging the sealing lip against the shaft, place a suitable protection during installation.

#### O RINGS

Lubricate the O rings before inserting them into their seats. This will prevent the O rings from rolling over during mounting which will jeopardize sealing.

#### SEALERS

Apply Loctite Gasket Eliminator 510 or a suitable equivalent, over the mating surfaces marked with an X. Before applying the sealer, prepare the surface as follows:

- remove possible scales using a metal brush;
- thoroughly degrease the surfaces using NEW HOLLAND DEGREASER, or a suitable equivalent.

#### BEARINGS

It is advisable to heat the bearings to 80 - 90°C before mounting them on their shafts and cool them down before inserting them into their seats with external tapping.

#### SPRING PINS

When mounting split socket spring pins, ensure that the pin notch is oriented in the direction of the effort to stress the pin.

Spiral spring pins should not be oriented during installation.

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$