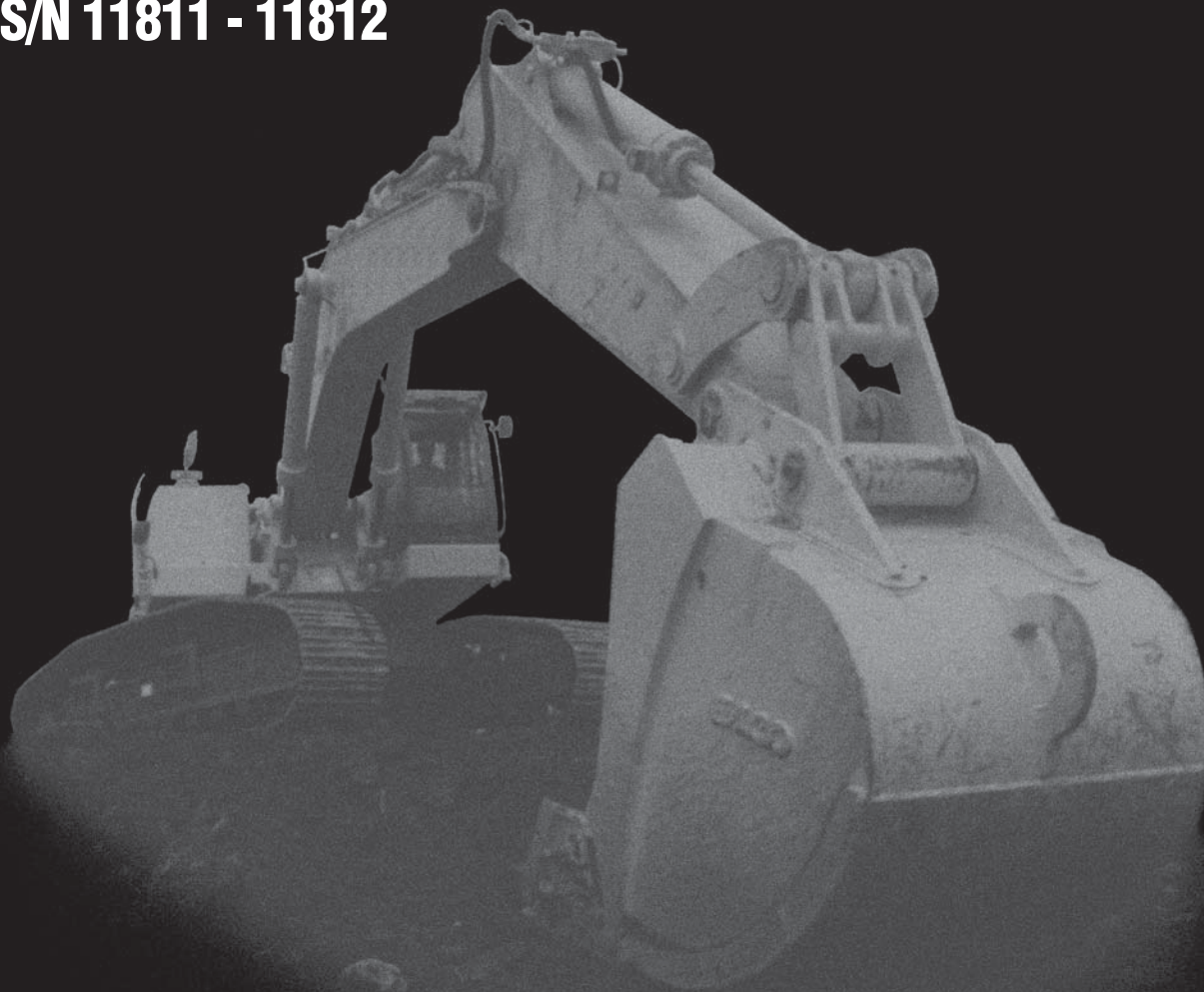


SERVICE MANUAL

Excavator Crawler EC160
S/N 11811 - 11812



NEW HOLLAND
CONSTRUCTION

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FOREWORD

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This **Technical Handbook (THB)** has been written with **the servicing mechanic** in mind and contains important information required to carry out repair and servicing procedures.

Read through the **Technical Handbook**, but also the **Operating Instructions** for the **hydraulic excavator** before commencing any servicing or repair work. The **Technical Handbook**, as well as the **Operating Instructions** and **Spare Parts List** should be used as a source of reference and assistance - even when the user is well acquainted with the range of excavators.

Using the Technical Handbook allows the experienced mechanic to carry out repair work in a correct manner.

Using the Technical Handbook

The Technical Handbook is divided into main and sub-groups that deal with the machine as actually delivered. Any auxiliary attachments or optional upgrading introduced later are not described.

The main table of contents allows to find the required information quickly.

For the sake of clarity, the illustrations have been simplified and can therefore differ slightly from the actual appearance of the machine.

Servicing and repair

Servicing and repair work should be carried out as soon as possible. This keeps overall servicing & repair costs to a minimum and increases the availability of the excavator

During servicing and repair work, always follow the instructions contained in the Technical Handbook and Operating instructions.

Major work that is not described in the Technical Handbook will be gladly undertaken by the **After Sales Service**.

The **After Sales Service** is always available for assistance and advice.

When making any enquiries, please always state the Machine Model and the machine's Serial No.

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FUNDAMENTAL SAFETY INSTRUCTIONS

Warnings and symbols

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The following signs are used in the manual to designate instructions of particular importance:

**DANGER**

Imminent danger involving the risk of death or of severe injuries.

**WARNING**

Precautionary rules and measures designed to protect the machine operator and other persons from life-threatening danger or injuries and to prevent extensive damage.

**CAUTION**

Information and precautionary measures designed to prevent damage to the machine or other property.

Danger in the event of non-observance of the safety instructions

WARNING

This hydraulic excavator has been built in accordance with state-of-the-art standards and the recognized safety rules.

However, operating the machine if a fault is suspected or has occurred, or carrying out repair work inexpertly may

- endanger the lives of persons in contact with it
- damage the machine and other property.

The hydraulic excavator must be stopped immediately on any damage being suspected or occurring to ensure that the safety of the operator, of other persons at the place of use or of other material property is not compromised.

All components are carefully co-ordinated. Trouble-free operation and a long service life can only be achieved with original spare parts.

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