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Service Manual
Hydraulic Excavator
R 900 C EDC Litronic

Edition: 03 / 2010

Type: R 900 C EDC Litronic

Introduction

This manual contains technical data, design and functional descriptions, as well as instructions as regards the operation and the adjustment of machine settings. The document includes a number of drawings, functional schematics, as well as detailed views of units and assemblies of **LIEBHERR hydraulic excavators**.

The documentation has been designed to support customer support services, but does of course not replace proper technical training and qualification of the user, and participation in LIEBHERR operator training courses.

General basic technical information is not included in the manual. For operating instructions and information on spare parts, please refer to the separate documentation.

During all work on the machine, strictly adhere to the relevant accident prevention and safety regulations.

1 Symbols used in this manual

Tasks and procedures that are associated with specific dangers are accompanied by safety instructions. The safety instructions are graded according to the severity of the risk and are identified with the terms **DANGER**, **CAUTION** and **NOTE** and the respective danger symbol:

These terms are used in combination with the following symbols:



Danger

Warning referring to a danger where there is a high probability of death or serious injury to operators, unless the prescribed safety measures are taken.



Caution

Warning relating to dangers that might lead to injury or damage to the machine, unless the prescribed safety measures are taken.



Note

This symbol accompanies instructions and tips regarding the operation, maintenance and repair of the equipment. If adhered to, the service life of the machine can be prolonged and/or procedures are made easier.

- This symbol precedes entries in a list.
 - This symbol precedes entries in a sub-list.
- ☐ This symbol identifies "Pre-condition MUST be fulfilled"
- ▶ This symbol indicates a single procedure in a sequence of procedures.
 - ↪ This symbol indicates a result of an action.

This manual has been exclusively compiled for internal use by the registered machine owner.

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This service manual shall be amended without prior notice to reflect new technical developments and machine series. LIEBHERR reserves the right to make minor technical amendments to the machines that might not be reflected in the accompanying documentation.

Depending on the series development, the service manual shall be revised in electronic format.

Symbols used in this manual

Changes and amendments are listed in group 1.02.

This manual might be complemented by additional service information sheets issued by LIEBHERR.

Compiled by the Technical Documentation Department.

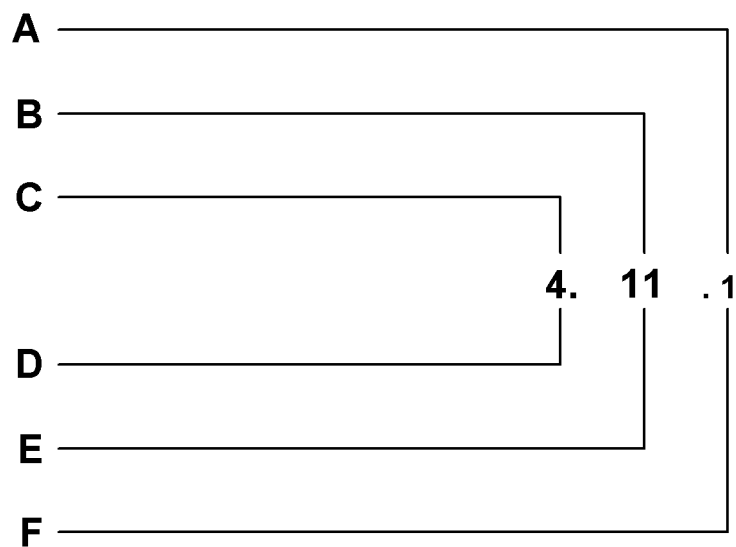
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We hope that the information in this documentation aimed at improving the service of LIEBHERR excavators is of use to you.

1.1 Explanation

In order to make it easy for users to find specific information regarding revised or amended documents, each page is identified as follows:



A Page number

B Subgroup

C Main group

D Drive motor

E Diesel engine

F Page

The main groups are listed in the main group directory.

The subgroups are listed on the first page of each main group section. The subgroup list also includes the machines and serial numbers to which the subgroup is relevant.

In the event of minor changes, we will send you the amended page showing the current date.

If an existing subgroup is completely revised and re-edited, the new version will be assigned a new subgroup number.

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