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Notes for the user

This service handbook is designed for trained specialists of the Liebherr organisation and their dealers.

This service handbook contains special knowledge for repairing Liebherr construction machines. Basic specialist knowledge on electronics, hydraulics, mechanics and engine technology is not contained in this service handbook. Therefore specialized training and qualifications are necessary. Liebherr recommends participation in the Liebherr training program for construction machines.

In this service handbook you will find information on:


- Special tools
- Technical data
- Maintenance intervals and maintenance tasks
- Testing and adjustment tasks
- Structure and function descriptions
- Removal and installation tasks
- Circuit diagrams, hydraulic plans and technical drawings

You will find information on controls and operation in the operating instructions. Information on spare parts are in the spare parts catalogue. Please observe the local accident prevention laws.

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Technical changes are reserved.


Warning symbols

	This is the warning symbol. It warns you of potential injuries. To prevent injury or death, carry out all the measures identified by this warning symbol.
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The warning symbol always appears together with the signal words

DANGER
WARNING
CAUTION

	DANGER	Indicates a hazardous situation that will immediately lead to serious or fatal injury if it is not avoided.
	WARNING	Indicates a hazardous situation that may lead to serious or fatal injury if it is not avoided.

	CAUTION	Indicates a hazardous situation that may lead to minor or moderate injury if it is not avoided.
	ATTENTION	Indicates a hazardous situation that may lead to damage if it is not avoided.

Structure of warnings

Warnings in this document are structured as follows:







WARNING

Here you will find information about the type and source of danger. Here you will be informed about possible consequences of not paying attention to the warning.

▶ Here you will be called on to take measures to avoid the dangerous situation.

Other designations

Symbol	Meaning
	Note Indicates useful tips and information.
	This symbol means: Carry out a task.
	This symbol means: Requirements must be fulfilled.
	This symbol means: Results of a task.
-	This symbol indicates a list.

Symbols

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