

Service Manual

Hydraulic excavator
R964C - R974C

Document identification

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Product identification

Manufacturer: LIEBHERR France SAS.
Machine: R964C - R974C
Type no.: R 964C : 448 / 1008 / 1009 / 1126
R 974C : 449 / 1010 / 1011 / 1057 / 1058 / 1059 / 1060
/1084/1120/1124/1037
Conformity: CE

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Introduction

This manual contains technical data, design and functional descriptions, as well as service and set up instructions. The documents include numbers of drawings, functional diagrams, as well as detailed views of units and assemblies of LIEBHERR hydraulic excavators.

This manual has been created in order to assist the customer support services, but does of course replace neither proper technical training and qualification of the user nor participation in LIEBHERR operator training courses.

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

For maintenance and reparation of the machine, follow conscientiously the safety instructions and warnings.

Symbols used in this manual

In this manual the description of tasks and procedures that are associated with specific dangers are accompanied by safety instructions mentioning the danger related to described work. The safety instructions are graded according to the severity of the risk, and are identified with the symbols «**Danger**» and «**Caution**», which have the following significances:

These terms are identified by symbols in the operating instructions and :



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 machine damages, unless the prescribed safety measures are taken.



Note!

Comments and advices which will, if adhered to, help you to keep your excavator operating, to insure longlife to your machine and to facilitate certain procedures.

Signification of specific punctuation marks in descriptions

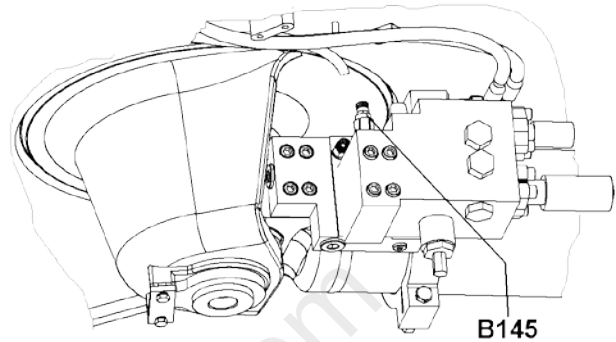
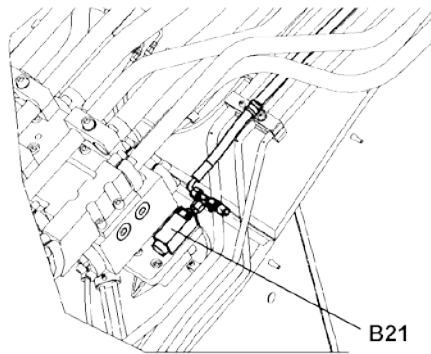
- This mark introduces «an entry in a list».
 - This mark introduces «an entry in a sublist».
- This mark indicates «a requirement that must be fulfilled», before going on with the procedure below.
- ▶ This mark identifies «an injunction to perform the mentioned action».
 - ↪ This mark indicates «the normally expected result of a carried out action».

About the contain of this Service Handbuchs

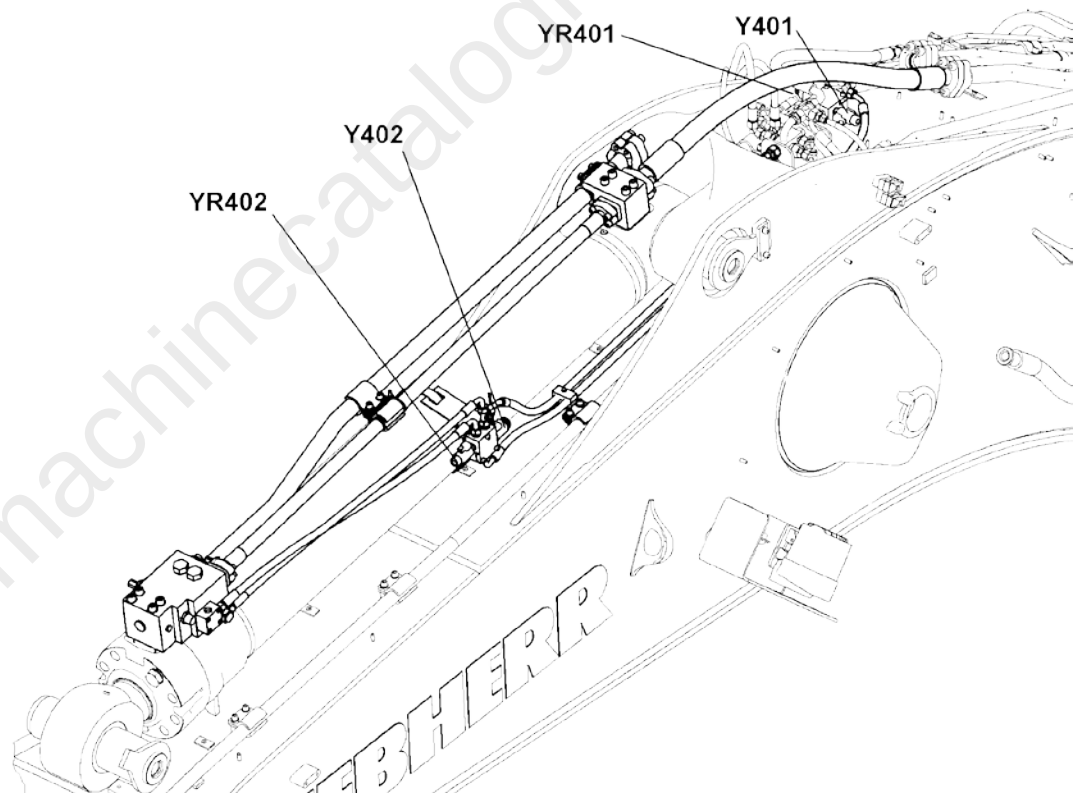
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Y151 Solenoid valve / Swing right	Y347 Regulation solenoid valve / Cooler fan control
Yr150 Regulation solenoid valve / Swing left	Yr151 Regulation solenoid valve / Swing right



B21 Pressure switch / overload warning device **B145** Transmitter / high pressure on boom cylinders, piston side



Y401 Solenoid valve / float position boom
Yr401 RSV / Float position boom

Y402 Solenoid valve / Hose Burst Safety valve
Yr402 RSV / Hose Burst Safety valve

CAN 5=x BUS OFF
 CAN 5=x BUS OFF
 CAN 5=x BUS OFF
 Keine Kommunikation mit U20
 No communication with U20
 Pas de communication avec U20
 Keine Kommunikation mit U21
 No communication with U21
 Pas de communication avec U21
 Keine definierte Maschine (U00)
 Unknown Machine (U00)
 Pas de machine connue (U00)
 Keine Kommunikation zwischen U47 und U48-1
 No communication between U47 and U48-1
 Pas de communication entre U47 et U48-1
 Keine Kommunikation zwischen U47 und U48-2
 No communication between U47 and U48-2
 Pas de communication entre U47 et U48-2
 Keine Kommunikation zwischen U47 und U48
 No communication between U47 and U48
 Pas de communication entre U47 et U48
 Keine Kommunikation zwischen U47 und U46
 No communication between U47 and U46
 Pas de communication entre U47 et U46

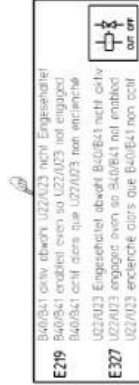
U47 Fehler intern
 E323 U47 intern error
 U47 erreur interne
 U48-1 Fehler intern
 E324 U48-1 intern error
 U48-1 erreur interne
 U48-2 Fehler intern
 E325 U48-2 intern error
 U48-2 erreur interne
 U46 Fehler intern
 E326 U46 intern error
 U46 erreur interne
 Keine Kommunikation zu U00
 E328 No Communication to U00
 Pas de communication au U00
 Keine Kommunikation U47>BBT (1 result)
 E329 No communication between U47>BBT (1 result)
 Pas de communication entre U47>BBT (1 result)
 Keine Kommunikation zwischen CAN3-1 (Master) und CAN3-2 (Slave)
 E330 No communication between CAN3-1 (Master) and CAN3-2 (Slave)
 Pas de communication entre CAN3-1 (Master) et CAN3-2 (Slave)
 Keine Kommunikation zwischen CAN4-1 (Master) und CAN4-2 (Slave)
 E331 No communication between CAN4-1 (Master) and CAN4-2 (Slave)
 Pas de communication entre CAN4-1 (Master) et CAN4-2 (Slave)
 Keine Kommunikation zwischen CAN5-1 (Master) und CAN5-2 (Slave)
 E332 No communication between CAN5-1 (Master) and CAN5-2 (Slave)
 Pas de communication entre CAN5-1 (Master) et CAN5-2 (Slave)
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 E333 CAN 3=x BUS OFF
 CAN 3=x BUS OFF
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 E334 CAN 4=x BUS OFF
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 CAN 5=x BUS OFF

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Full Version Available

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