LIEBHERR

HYDRAULIC EXCAVATOR

R 900 B / R 904
R 914 / R 924
R 934 / R 944
R 934 B / R 944 B

Litronic

Ident. / Nb : 8504335

Issue : March 2002

This issue contains all previous complements
up to the nb. 02 of march 2002
one enclosed

SERVICE MANUAL

Nb. .....

Owner:

.....

Volume 1

1 General Information
2 Tools
3 Technical Data / Maintenance Guidelines
4 Engine
5 Coupling / Splitterbox
6 Hydraulic System
7 Hydraulic Components

Volume 2

8 Electrical System
9 Swing Gear
10 Swing Ring
11 Travel Gear / Two Speed Gear Box
12 Track Components / Axles
13 Steering System
14 Oscillating Axle Stabilizer
15 Brake System
16 Special Attachments / Additional Hydraulic Installations
17 Cab Heater / Air Conditioning System
18 Undercarriage / Uppercarriage Attachments
19 Arrangement of Tanks
20

Groups / Pages nb	Modified pages	New pages	Date of issue
00.10.00 & 02		X	10.2001
01.00.00	X		09.2001
01.01.01 & 02		X	02.2002
01.10.01 & 02	X		09.2001
01.10.03 & 04	X		09.2001
01.10.05 & 06	X		09.2001
01.10.07 & 08	X		09.2001
01.10.09 & 10	X		09.2001
01.19.01	X		09.2001
01.20.01 & 02		X	09.2001
01.20.03 & 04		X	09.2001
01.20.05		X	09.2001
01.50.01 & 02	X		09.2001
01.50.03 & 04	X		09.2001
01.50.05 & 06	X		09.2001
01.50.07 & 08	X		09.2001
01.50.09	X		09.2001
02.00.00	X		09.2001
02.01.01	X		09.2001
02.01.03 & 04	X		09.2001
02.01.05 & 06	X		09.2001
02.01.07 & 08	X		09.2001
02.01.09 & 10	X		09.2001
02.01.11 & 12		X	09.2001
02.02.01	X		09.2001
02.02.03 & 04	X		09.2001
02.02.05	X		09.2001
02.03.01	X		09.2001
02.03.03 & 04	X		09.2001
02.03.05 & 06	X		09.2001
02.03.07 & 08	X		09.2001
02.05.01	X		09.2001
02.05.03 & 04	X		09.2001
02.05.05 & 06	X		09.2001
02.06.01	X		09.2001
02.06.03 & 04	X		09.2001
02.06.05 & 06	X		09.2001
02.06.07 & 08	X		09.2001
02.07.01	X		09.2001
02.07.03 & 04	X		09.2001
02.08.01	X		09.2001
02.08.03 & 04	X		09.2001
02.08.05	X		09.2001
02.12.01	X		09.2001
02.14.01 & 02	X		09.2001
02.15.01	X		09.2001
02.16.01	X		01.2001
02.18.01	X		09.2001
03.50.00			07.1998
03.51.01 & 02	X		09.2001
03.52.01 & 02	X		09.2001
03.54.01 & 02	X		09.2001
03.55.01 & 02	X		09.2001
03.57.01 & 02	X		09.2001
03.57.03 & 04		X	02.2002
03.58.01 & 02	X		09.2001
03.58.03 & 04		X	02.2002
03.61.01 & 02	X		09.2001
03.64.01 & 02	X		09.2001
03.67.01 & 02	X		09.2001
03.71.01		X	11.2000
03.72.01	X		09.2001
03.74.01	X		09.2001
03.75.01	X		09.2001
03.77.01	X		09.2001
03.78.01	X		09.2001
04.00.00	X		09.2001
04.05.01 & 02	X		09.2001
04.05.03 & 04	X		09.2001
04.10.01 & 02	X		09.2001
04.10.03 & 04	X		09.2001
05.00.00		X	12.2000
05.20.01 & 02		X	12.2000
05.20.03 & 04		X	12.2000
05.20.05 & 06		X	12.2000
05.20.07		X	12.2000
06.50.00	X		11.2000
06.61.01 & 02	X		09.2001
06.61.03 & 04		X	11.2000
06.61.05		X	11.2000
06.62.01 & 02	X		09.2001
06.62.03 & 04		X	11.2000
06.62.05		X	11.2000
06.63.01 & 02	X		09.2001
06.63.03 & 04		X	11.2000
06.63.05 & 06		X	11.2000
06.64.01 & 02	X		12.2000
06.64.03 & 04		X	12.2000
06.64.05 & 06		X	12.2000
06.65.01 & 02		X	09.2001
06.65.03 & 04		X	11.2000
06.65.05 & 06		X	11.2000
06.66.01 & 02	X		09.2001
06.66.03 & 04	X		11.2000
06.66.05 & 06	X		11.2000
06.67.01 & 02		X	12.2000
06.67.03 & 04		X	12.2000
06.67.05 & 06		X	12.2000
06.67.07 & 08		X	12.2000
06.67.09 & 10		X	12.2000
06.67.11 & 12		X	12.2000
06.67.13		X	12.2000
06.68.01 & 02	X		12.2000
06.68.03 & 04	X		12.2000
06.68.05 & 06	X		12.2000
06.68.07 & 08	X		12.2000

Groups / Pages nb	Modified pages	New pages	Date of issue
06.68.09 & 10 ..	.....	X	12.2000
06.68.11 & 12 ..	.....	X	12.2000
06.68.13	.....	X	12.2000
06.69.01 & 02 ..	X	.....	12.2000
06.69.03 & 04 ..	X	.....	12.2000
06.69.05 & 06 ..	X	.....	02.2002
06.69.07 & 08 ..	X	.....	02.2002
06.69.09 & 10 ..	.....	X	10.2001
06.71.01 & 02 ..	.....	X	10.2000
06.71.03 & 04 ..	.....	X	10.2000
06.71.05 & 06 ..	.....	X	10.2000
06.71.07 & 08 ..	.....	X	10.2000
06.71.09 & 10 ..	.....	X	10.2000
06.71.11 & 12 ..	.....	X	10.2000
06.71.13 & 14 ..	.....	X	10.2000
06.75.01 & 02 ..	X	.....	11.2000
06.75.03 & 04 ..	X	.....	11.2000
06.75.05 & 06 ..	X	.....	11.2000
06.75.07 & 08 ..	X	.....	11.2000
06.75.09 & 10 ..	.....	X	11.2000
06.75.11 & 12 ..	.....	X	11.2000
06.75.13 & 14 ..	.....	X	11.2000
06.75.15 & 16 ..	.....	X	11.2000
06.75.17 & 18 ..	.....	X	11.2000
06.77.01 & 02 ..	X	.....	10.2000
06.77.03 & 04 ..	X	.....	10.2000
06.77.05 & 06 ..	X	.....	10.2000
06.77.07 & 08 ..	X	.....	10.2000
06.77.09 & 10 ..	X	.....	10.2000
06.77.11 & 12 ..	X	.....	10.2000
06.77.13 & 14 ..	.....	X	10.2000
06.77.15	.....	X	03.2002
06.81.01 & 02 ..	.....	X	12.2000
06.81.03 & 04 ..	X	.....	12.2000
06.81.05	X	.....	07.1998
06.81.07 & 08 ..	X	.....	02.2000
06.81.11 & 12 ..	.....	X	12.2000
06.81.13 & 14 ..	.....	X	12.2000
06.81.15	.....	X	12.2000
06.81.17 & 18 ..	.....	X	12.2000
06.85.01 & 02 ..	.....	X	12.2000
06.85.03 & 04 ..	X	.....	12.2000
06.85.05	X	.....	12.2001
06.85.07	X	.....	12.2001
06.85.11 & 12 ..	.....	X	12.2000
06.85.13 & 14 ..	.....	X	12.2000
06.85.15	.....	X	12.2001
06.85.17	.....	X	12.2001

Underlined pages are joined as A3 size at the end of each group.

Groups / Pages nb	Modified pages	New pages	Date of issue
06.87.01 & 02 ..	.....	X	12.2001
06.87.03 & 04 ..	X	.....	12.2001
06.87.05	X	.....	06.1998
06.87.11 & 12 ..	.....	X	12.2001
06.87.14	.....	X	12.2001
06.87.15 & 16 ..	.....	X	12.2001
07.00.01 & 02 ..	X	.....	11.2001
07.05.01 & 02 ..	X	.....	12.2000
07.05.03 & 04 ..	X	.....	12.2000
07.05.05	X	.....	12.2000
07.06.01 & 02 ..	X	.....	12.2000
07.06.03 & 04 ..	X	.....	12.2000
07.06.05	X	.....	12.2000
07.08.01	.....	.....	07.1998
07.08.03 & 04 ..	.....	.....	10.1998
07.08.05 & 06 ..	.....	.....	07.1998
07.08.07	.....	.....	11.1998
07.08.11	.....	X	02.2002
07.08.13 & 14 ..	.....	X	02.2002
07.08.15 & 16 ..	.....	X	02.2002
07.10.01 & 02 ..	X	.....	09.2001
07.10.03 & 04 ..	X	.....	09.2001
07.10.05	X	.....	09.2001
07.11.01 & 02 ..	X	.....	09.2001
07.11.03 & 04 ..	X	.....	09.2001
07.11.05 & 06 ..	X	.....	09.2001
07.11.07 & 08 ..	X	.....	09.2001
07.12.01 & 02 ..	X	.....	09.2001
07.12.03 & 04 ..	X	.....	09.2001
07.12.05 & 06 ..	X	.....	09.2001
07.12.07 & 08 ..	X	.....	09.2001
07.12.09	X	.....	09.2001
07.13.01 & 02 ..	X	.....	09.2001
07.13.03	X	.....	09.2001
07.14.01 & 02 ..	X	.....	09.2001
07.14.03 & 04 ..	X	.....	09.2001
07.14.05 & 06 ..	X	.....	09.2001
07.14.07 & 08 ..	X	.....	09.2001
07.14.09	X	.....	09.2001
07.17.01 & 02 ..	.....	X	03.2002
07.17.03 & 04 ..	.....	X	03.2002
07.17.05 & 06 ..	.....	X	03.2002
07.17.07	.....	X	03.2002
07.18.01 & 02 ..	.....	X	10.2000
07.18.03 & 04 ..	.....	X	10.2000
07.18.05 & 06 ..	.....	X	10.2000
07.18.07 & 08 ..	.....	X	10.2000
07.18.09 & 10 ..	.....	X	10.2000
07.19.01 & 02 ..	.....	.....	07.1998
07.19.03 & 04 ..	.....	.....	07.1998
07.19.05 & 06 ..	.....	.....	07.1998
07.19.07 & 08 ..	.....	.....	07.1998
07.19.09 & 10 ..	.....	.....	07.1998
07.19.11 & 12 ..	.....	.....	07.1998

Groups / Pages nb	Modified pages	New pages	Date of issue
07.19.13 & 14			10.1999
07.19.15 & 16			07.1998
07.19.17 & 18			07.1998
07.19.19 & 20			07.1998
07.19.21			07.1998
07.20.01	X		10.2001
07.21.01	X		09.2001
07.21.03 & 04	X		09.2001
07.21.05 & 06	X		09.2001
07.21.07	X		09.2001
07.23.01	X		09.2001
07.23.03 & 04	X		09.2001
07.23.05 & 06	X		09.2001
07.23.07 & 08	X		09.2001
07.23.11 & 12		X	12.2000
07.23.13 & 14		X	12.2000
07.23.15 & 16		X	12.2000
07.23.17 & 18		X	12.2000
07.23.19		X	12.2000
07.25.01 & 02	X		09.2001
07.25.03 & 04	X		09.2001
07.25.05 & 06	X		09.2001
07.28.01 & 02	X		12.2000
07.28.03 & 04	X		12.2000
07.28.05	X		12.2000
07.30.01 & 02	X		02.2000
07.30.03 & 04	X		02.2000
07.30.05 & 06	X		02.2000
07.30.07 & 08	X		02.2000
07.30.09 & 10	X		02.2002
07.30.11	X		02.2000
07.31.01 & 02		X	03.2001
07.34.01		X	10.2001
07.35.01	X		10.2001
07.36.01	X		10.2001
07.37.01	X		10.2001
07.38.01	X		10.2001
07.39.01		X	10.2001
07.42.01 & 02	X		09.2001
07.42.03 & 04	X		09.2001
07.43.01 & 02			09.1999
07.43.03 & 04			09.1999
07.46.01 & 02	X		09.2001
07.46.03	X		09.2001
07.47.01 & 02	X		09.2001
07.47.03	X		09.2001
07.48.01 & 02	X		10.2001
07.48.03	X		10.2001
07.61.01 & 02	X		10.2001
07.61.03	X		10.2001
07.62.01 & 02	X		10.2001
07.62.03 & 04	X		10.2001
07.62.05 & 06	X		10.2001
07.62.07 & 08	X		10.2001
07.63.01 & 02	X		10.2001
07.63.03 & 04	X		10.2001
07.63.05	X		10.2001
07.64.01 & 02	X		10.2001
07.65.01			09.1998
07.66.01 & 02	X		10.2000
07.66.03 & 04			06.1999
07.66.05 & 06			06.1999
07.66.07 & 08			06.1999
07.66.09 & 10	X		10.2001
07.66.11 & 12	X		10.2001
07.66.13 & 14		X	11.2000
07.66.15 & 16		X	11.2000
07.66.17 & 18		X	11.2000
07.66.19 & 20		X	11.2000
07.66.21 & 22		X	11.2000
07.66.23 & 24		X	11.2000
07.66.25 & 26		X	11.2000
07.66.27 & 28		X	11.2000
07.66.29		X	11.2000
07.66.31 & 32		X	11.2000
07.66.33 & 34		X	11.2000
07.66.35		X	11.2000
07.66.41 & 42		X	11.2000
07.66.43 & 44		X	11.2000
07.66.45 & 46		X	11.2000
07.66.47 & 48		X	11.2000
07.66.49		X	11.2000
07.68.01 & 02	X		10.2001
07.68.03 & 04	X		10.2001
07.68.05 & 06			06.1999
07.68.07 & 08			06.1999
07.72.01 & 02			07.1998
07.72.03 & 04			07.1998
07.72.05 & 06			07.1998
07.72.07 & 08			07.1998
07.72.09 & 10			07.1998
07.72.11 & 12			07.1998
07.72.13 & 14			07.1998
07.72.15			07.1998
07.73.01 & 02		X	10.2001
07.73.03		X	10.2001
07.75.01 & 02		X	10.2000
07.75.03		X	10.2000
07.77.01 & 02		X	10.2000
07.77.03 & 04		X	10.2000
07.77.05		X	10.2000
07.98.01 & 02	X		10.2001
07.98.03 & 04	X		10.2001

Groups / Pages nb	Modified pages	New pages	Date of issue
08.50.00	X		06.00
08.55.01 & 02	X		12.00
08.55.03 & 04	X		12.00
08.55.05 & 06	X		12.00
08.55.07 & 08	X		12.00
08.55.09 & 10	X		12.00
08.55.11 & 12	X		12.00
08.55.13 & 14	X		12.00
08.55.15 & 16		X	12.00
08.55.17 & 18		X	12.00
08.55.19 & 20		X	12.01
08.55.21 & 22		X	12.01
08.56.01 & 02			07.99
08.56.03 & 04			07.99
08.71.01 & 02	X		02.02
08.71.03 & 04	X		02.02
08.71.05 & 06	X		02.02
08.71.07 & 08	X		02.02
08.71.09 & 10	X		11.01
08.71.11 & 12	X		11.01
08.71.13 & 14	X		11.01
08.71.15 & 16	X		11.01
08.71.17 & 18	X		11.01
08.71.19 & 20	X		11.01
08.71.21 & 22	X		11.01
08.71.23 & 24	X		02.02
08.71.25 & 26	X		11.01
08.71.27 & 28	X		11.01
08.71.29	X		02.02
08.74.01 & 02		X	11.01
08.74.03 & 04		X	11.01
08.74.05 & 06		X	11.01
08.81.03 & 04			07.99
08.81.05 & 06			07.99
08.81.07			07.99
08.81.11	X		06.99
08.81.13	X		05.00
08.81.15	X		05.00
08.81.17	X		05.00
08.81.19		X	05.00
08.81.21		X	02.99
08.81.23		X	02.99
08.81.35 & 36		X	11.01
08.81.37 & 38		X	11.01
08.81.39		X	11.01
08.81.41		X	12.00
08.81.43		X	12.00
08.81.45		X	12.00
08.81.47		X	12.00
08.81.49		X	12.00
08.81.51		X	12.00
08.81.53		X	12.00
08.85.01 & 02		X	11.01
08.85.03 & 04	X		11.01
08.85.05	X		11.01
08.85.07	X		01.02
08.85.09	X		01.02
08.85.11	X		01.02
08.85.13	X		01.02
08.85.15		X	01.02
08.85.17		X	01.02
08.85.19		X	01.02
08.85.21		X	01.02
08.87.01 & 02		X	11.01
08.87.03 & 04	X		11.01
08.87.05	X		11.01
08.87.07	X		01.02
08.87.09	X		01.02
08.87.11	X		01.02
08.87.13	X		01.02
08.87.15	X		01.02
08.87.17		X	01.02
08.87.19		X	01.02
08.87.21		X	01.02
08.95.01		X	01.02
08.95.03 & 04	X		01.02
08.95.05 & 06	X		01.02
08.95.07	X		01.02
08.95.09	X		01.02
08.95.11	X		01.02
08.95.13 & 14	X		01.02
08.95.15 & 16	X		01.02
08.95.17	X		01.02
08.95.19	X		01.02
08.95.21	X		01.02
08.95.23		X	01.02
08.95.25		X	01.02
09.00.00	X		12.01
09.10.01 & 02	X		12.01
09.10.03 & 04	X		12.01
09.10.05 & 06	X		12.01
09.10.07 & 08	X		12.01
09.10.09 & 10	X		12.01
09.10.11 & 12	X		12.01

Underlined pages are joined as A3 size at the end of each group.

Groups / Pages nb	Modified pages	New pages	Date of issue
09.20.01 & 02	X		12.01
09.20.03 & 04	X		12.01
09.20.05 & 06	X		12.01
09.20.07	X		12.01
10.00.00	X		12.01
10.10.01 & 02	X		12.01
10.10.03 & 04	X		12.01
10.10.05 & 06	X		12.01
10.10.07 & 08	X		12.01
11.50.00			11.98
11.51.00			11.98
11.67.01 & 02			11.98
11.67.03 & 04			11.98
11.67.05 & 06			11.98
11.67.07			11.98
11.71.01 & 02	X		10.01
11.71.03 & 04	X		10.01
11.71.05			11.98
11.75.01 & 02			11.98
12.50.00	X		12.01
12.51.01	X		12.00
12.52.01	X		12.00
12.53.01	X		12.00
12.54.01	X		12.00
12.55.01	X		12.00
12.56.01 & 02	X		09.98
12.56.03 & 04	X		12.00
12.60.01 & 02	X		12.00
12.61.01 & 02	X		12.00
12.62.01 & 02	X		02.02
12.62.03			09.98
12.62.05 & 06			09.98
12.65.01 & 02			09.98
12.76.01 & 02	X		12.00
12.81.01 & 02			09.98
12.81.03 & 04			09.98
12.91.01 & 02	X		12.00
12.96.01 & 02	X		12.00
12.97.01 & 02		X	12.00
12.97.03 & 04		X	12.00
16.00.00	X		12.01
16.02.01 & 02		X	03.00
16.02.03 & 04		X	03.00
16.02.05 & 06		X	03.00
16.02.07 & 08		X	03.00
16.02.09		X	03.00
16.03.01 & 02	X		09.01
16.03.03 & 04	X		09.01
16.03.05 & 06	X		09.01
16.03.07 & 08	X		09.01
16.03.09		X	09.01

Groups / Pages nb	Modified pages	New pages	Date of issue
16.04.01 & 02			05.99
16.04.03 & 04			05.99
16.04.05			05.99
16.05.01 & 02	X		09.01
16.05.03 & 04	X		09.01
16.05.05	X		09.01
16.06.01 & 02		X	01.00
16.06.03 & 04		X	01.00
16.06.05 & 06		X	01.00
16.06.07 & 08		X	01.00
16.06.09 & 10		X	01.00
16.07.01 & 02		X	01.00
16.07.03 & 04		X	01.00
16.07.05 & 06		X	01.00
16.07.07 & 08		X	01.00
16.07.09 & 10		X	01.00
16.14.01 & 02		X	12.00
16.14.03 & 04		X	12.00
16.14.05 & 06		X	12.00
16.14.07 & 08		X	12.00
16.14.09		X	12.01
16.20.01 & 02	X		02.00
16.20.03 & 04	X		02.00
16.21.01 & 02	X		02.00
16.21.03 & 04	X		02.00
16.22.01 & 02		X	05.00
16.22.03 & 04		X	05.00
16.22.05 & 06		X	05.00
16.22.07 & 08		X	05.00
16.22.09 & 10		X	05.00
16.22.11 & 12		X	05.00
16.22.13 & 14		X	05.00
16.70.01 & 02			07.99
16.70.03 & 04			07.99
16.70.05 & 06	X		12.01
16.70.07 & 08			07.99
16.70.09			07.99
16.72.01 & 02	X		12.01
16.72.03 & 04	X		12.01
16.72.05 & 06	X		12.01
16.72.07 & 08	X		12.01
16.72.09 & 10	X		12.01
16.72.11 & 12	X		12.01
16.72.13 & 14		X	12.01
16.74.01 & 02			07.99
16.74.03 & 04			07.99
16.74.05 & 06			07.99
16.74.07 & 08			07.99
16.76.01 & 02			06.99
16.76.03 & 04			06.99
16.76.05 & 06			06.99
16.76.07 & 08			06.99
16.78.01 & 02			06.99
16.78.03 & 04			06.99
16.78.05 & 06			06.99
16.78.07 & 08			06.99

Groups / Pages nb	Modified pages	New pages	Date of issue
16.80.01 & 02			07.99
16.80.03 & 04			07.99
16.80.05 & 06			06.99
16.80.07 & 08			06.99
16.82.01 & 02			06.99
16.82.03 & 04			06.99
16.82.05 & 06			06.99
16.82.07 & 08			06.99
16.84.01 & 02			06.99
16.84.03 & 04			06.99
16.84.05 & 06			06.99
16.84.07 & 08			06.99
16.84.09			06.99
17.00.00	X		12.01
17.30.01 & 02		X	04.00
17.30.03 & 04		X	04.00
17.30.05 & 06		X	04.00
17.30.07 & 08		X	04.00
17.30.09 & 10		X	04.00
17.30.11 & 12		X	04.00
17.30.13 & 14		X	04.00
17.30.15 & 16		X	04.00
17.30.17 & 18		X	04.00
17.30.19 & 20		X	04.00
17.30.21 & 22		X	04.00
17.30.23 & 24		X	04.00
17.30.25 & 26		X	04.00
17.30.27		X	04.00
17.48.01 & 02		X	02.00
17.48.03 & 04		X	02.00
17.48.05 & 06		X	02.00
17.48.07 & 08		X	02.00
17.48.09 & 10		X	02.00
17.48.11 & 12		X	02.00
17.48.13 & 14		X	02.00
17.61.01 & 02		X	12.01

Foreword

This manual has been prepared to provide you with technical information on the design and construction of the various components which made up the LIEBHERR excavator.

It contains brief and precise descriptions, guidelines and drawings of adjustment procedures as well as hydraulic and electrical schematics, and graphically depicted diagrams and sectionals to help you with any repairs, which might become necessary on our hydraulic excavators.

We deliberately avoided full drawings and details of each repair stage, a practice often adopted in workshop manuals of this kind, since only skilled mechanics already familiar with most repair work described in this manual, should perform repair work. This manual is also intended to provide you with information regarding certain adjustment values.

Instructions on maintenance is excluded from this manual, since it are covered in the individual Operation and Maintenance Manual.
Be sure to observe all accident prevention guidelines and adhere to all safety information before and during any maintenance and / or repair procedure on the hydraulic excavator.

To perform tests and repairs listed in this manual, a complete set of standard tools, as well as special tools and fixtures shown and listed, is necessary. Always observe utmost cleanliness and order.

No special emphasis is put on replacing sealing components, since it is taken for granted that all removed seals, O-rings and gaskets are replaced during the course of repair. Tighten any screw connections, if no other values are given, to the required tightening torque.

Certain notes are used throughout this manual to emphasize important or critical instructions.

This mark used in our descriptions denotes an important note or reminder, which should be especially noted.

This exclamation mark used in our descriptions denotes an important note or a reminder of safety practices or directs attention to unsafe practices, which could pose a danger for the mechanic and / or the machine.

This Service Manual has been issued by the **Technical Documentation Department**
of **LIEBHERR-FRANCE SA, B.P. 287 F 68005 Colmar.**

This manual will be updated regularly, as a registered holder of a Service Manual you will automatically receive all revised and new pages according to the latest series status.

Some Service Information bulletins may also need to be filed in this Service Manual.

This book may not be copied nor given to third persons without our approval!

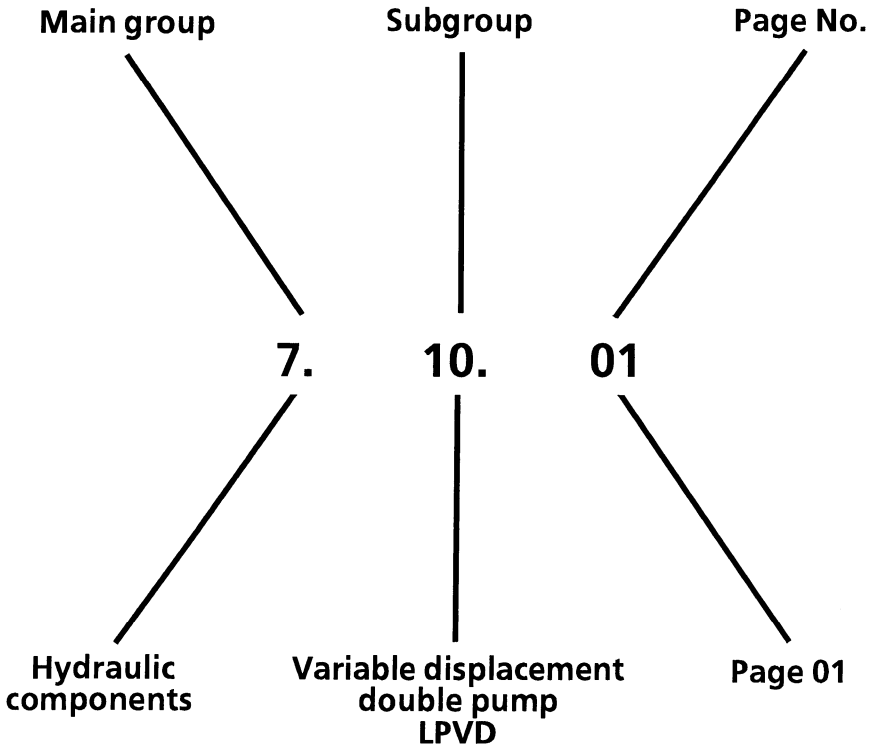
We reserve the right to make changes .

We trust that with this information contained in this manual and your cooperation we have taken another step toward continuing improvement of service on our LIEBHERR hydraulic excavators.

LIEBHERR-FRANCE SA

Explanation

In order to make it easy to find certain information or to remove and/or add pages in case of changes or improvements. the following system has been established:



The index for the main groups can be found on the index page.

The subgroups can be found on the index page in front of the main group. In addition, the machines with serial numbers are listed on the index, which is valid for this subgroup.

In case of minor changes we will issue revised pages and update the date. If an already existent sub group is completely revised, we will assign a new sub group number.