SERVICE MANUAL

TG300, TG310

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This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

Contents

01 - Machine
27 - Driveline
72 - Fasteners and Fixings
75 - Consumable Products
78 - After Sales

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01 - Machine

Contents **Page No.**

Acronyms Glossary 01-2

01-03 Safety
- 01-03-03 Safety - Yours and Others 01-3
- 01-03-06 Safety Warnings 01-4
- 01-03-09 General Safety 01-5
- 01-03-12 Maintenance Safety 01-6
- 01-03-18 Operating Safety 01-8

01-06 About this Manual
- 01-06-00 General 01-13
- 01-06-06 Using the Manual 01-14

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03 - Safety

Contents **Page No.**

01-03-03 Safety - Yours and Others 01-3
01-03-06 Safety Warnings 01-4
01-03-09 General Safety 01-5
01-03-12 Maintenance Safety 01-6
01-03-18 Operating Safety 01-8

MidWestTech | JCB TG300, TG310 Transfer Gearbox Service Manual | Publication 98... Order the manual at mid-west-tech.com >

75 - Consumable Products

Contents **Page No.**

Acronyms Glossary 75-2

75-00 Consumable Products
75-00-00 General 75-3
75-09 Fluids
75-09-00 General 75-7
75-10 Locking Fluids
75-10-00 General 75-9
75-14 Solvents and Primers
75-14-00 General 75-13
75-15 Adhesive
75-15-00 General 75-17
75-16 Sealant
75-16-00 General 75-23

MidWestTech | JCB TG300, TG310 Transfer Gearbox Service Manual | Publication 98... Order the manual at mid-west-tech.com >

Technical Data

For: TG300 ..... Page 27-4
For: TG310 ..... Page 27-4

(For: TG300)

Table 2.

Description	Data
Type	JCB Drivetrain Helical Gears
Installation	3 bolt mounting
Weight (Dry)	67 kg
Ratio	1:1
Drop dimension	300 mm
Oil capacity	1 L
Nominal rating	56.7 kW
Maximum input speed	3000 RPM (Revolutions Per Minute)
I/P and O/P drive	1480 half yoke

(For: TG310)

Table 3.

Description	Data
Type	JCB Drivetrain Helical Gears
Installation	3 bolt mounting
Weight (Dry)	67 kg
Ratio	1:1
Drop dimension	300 mm
Oil capacity	1 L
Nominal rating	79 kW
Maximum input speed	3000 RPM
I/P and O/P drive	1550 half yoke(1)

(1) Make note that the standard 1480 yokes can also be installed.

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Calibrate

Refer to the relevant disassembly-assembly procedure. Refer to (PIL 27-12).

Remove and Install

Remove

1. Make the machine safe.
   Refer to: PIL 01-03.
2. Drain the transfer gearbox.
3. Block the wheels on both the sides.
4. Put an identification mark on the propshaft and transfer gearbox yoke to help installation.
5. Remove the propshaft coupling from the transfer gearbox yokes.
6. Support the transfer gearbox with a suitable trolley jack.
7. Remove the upper bolts and nuts.
8. Remove the lower nuts.
9. Make sure that the transfer gearbox is laterally supported.
10. Remove the lower bolts.
11. Remove the transfer gearbox from the machine.
12. Slowly lower the trolley jack.

Install

1. The installation procedure is the opposite of the removal procedure. Additionally do the following steps.
2. Fill the gearbox with the correct oil.
   Refer to: PIL 75-00-00.

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