321D
Wheel Loaders

Operator's Manual

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6-34131NA

CASE

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PART 1 - INTRODUCTION

PREFACE

After-Sales-Service 3

Warnings and symbols 4

Designated use 4

Organizational measures 5

Selection and qualification of personnel 6

OPERATING, SAFETY INSTRUCTIONS

Standard operation 6

MAINTENANCE, SAFETY INSTRUCTIONS 7

WARNING OF SPECIAL DANGERS

Electric energy 8

Gas, dust, steam and smoke 8

Hydraulic and pneumatic equipment 9

Noise 9

Oil, grease and other chemical substances 9

TRANSPORTING AND TOWING - RECOMMISSIONING 9

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PART 2 - OPERATION

OPERATION - SAFETY INSTRUCTIONS 13

DESCRIPTION OF THE MACHINE

Layout of the machine 16
Basic unit 17
Chassis 17
Drive unit 17
Axles 17
Brakes 17
Hydraulic system 17
Electrical system 17
Working equipment 17

TECHNICAL DATA 18

321D Wheel Loader 18

Noise emissions

Outside the machine 23
Inside the machine 23

Vibration levels

Vertical vibration level at the operator's seat 23
Vibration level at hands and arms 23

STABILITY

Center of gravity position during transport 24
Rated load at stability limit 25

Warning and instruction signs

Machine number 30
Engine number 30
Axle number 30
Travel pump number 30
Travel motor number 30
Attachments 30

DRIVER'S CAB

Entering and leaving the machine - Safety instructions 31

Driver's cab door

Opening the door 32
Closing the door 32

Slide-down window 32

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Emergency exit 33

Documentation 33

Cab interior lighting 34

Roller blind 34

Adjusting the operator's seat

Adjusting the weight-oriented suspension 35
Weight adjustment 35
Height adjustment 35
Fore-and-aft adjustment 36
Backrest adjustment 36
Adjusting the right armrest 37
Height adjustment 37
Fore-and-aft adjustment 37

WARNING, MONITORING AND CONTROL ELEMENTS 38

Driver's compartment, overall layout 39

Warning and control lamps 40

Switches and pushbuttons 44

PUTTING THE MACHINE INTO OPERATION 48

Refueling

Refueling - Safety instructions 48
Refueling 48

Electrical system ON / OFF

Battery main switch 49

Immobilizer 49

Electrical system key-switch

Starting and stopping the engine 50
Starting 50
Engine does not start 51
Stopping the engine 51

Ventilation and heating

Ventilation 52
Heating 53
Fan 53

Horn, turn signal, main beam and windscreen wiper / -washer 54

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Cab interior lighting

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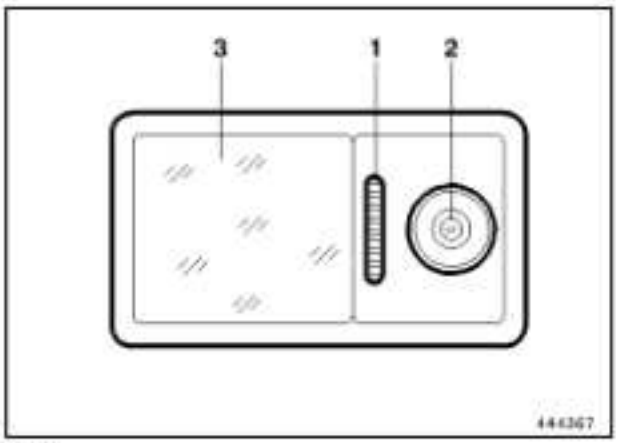


Fig. 7

The interior lighting is switched on and off with the switch (1, Fig. 7).

The power supply to the lamp is not interrupted even after the key-switch cutting off the electrical system has been set to the OFF position.

So always switch off the lamp when leaving the machine. The batteries may otherwise be discharged if the interior lighting is left on for a long time.

Switch (1) in central position: both lamps OFF.
Switch up: reading lamp (2) ON.
Switch down: interior lighting (3) ON.

□

Roller blind

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The roller blinds (1, Fig. 8) are mounted above the windscreen and the rear window.

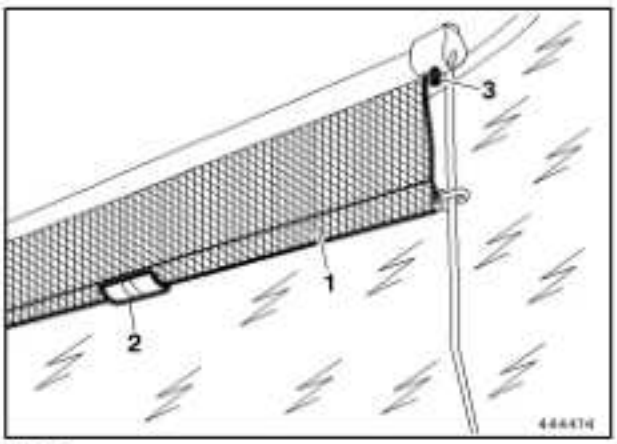


Fig. 8

Letting down the roller blind

The roller blind can be let down as far as required by pulling on the strap (2).

Retracting the roller blind

Press back red lever (3) at righthand end of roller-blind casing. The roller blind is retracted.

□

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Plan A - after every 250 HOURS
(at 250, 500, 750 ... HOURS)

Plan B - after every 500 HOURS
(at 500, 1500, 2500 ... HOURS)

Plan C - after every 1000 HOURS
(at 1000, 2000, 4000 ... HOURS)

Plan D - after every 3000 HOURS
(at 3000, 6000, 9000 ... HOURS)

Component designation	Servicing activity	Oil/ Grease	Quantity/ Number	Plan A	Plan B	Plan C	Plan D
Axle							
Planetary gearbox	Check oil level in acc. with oil-checking chart		2 x 2		●	●	●
Front axle	Change oil in acc. with oil-checking chart [1]		1			●	●
Rear axle	Change oil in acc. with oil-checking chart [1]		1			●	●
Transfer gearbox	Change oil in acc. with oil-checking chart [1]		1			●	●
Planetary gearbox	Change oil in acc. with oil-checking chart [1]		2 x 2			●	●
Cardan shaft	Grease in acc. with lubricating chart				●	●	●
Heating	Check for leaks				●	●	●
Filter	Clean / replace		1		●	●	●
Driver's cab							
Fastening screws	Check tightness				●	●	●
Breather filter	Replace		1		●	●	●
Hinges	Grease in acc. with lubricating chart		2		●	●	●

[1] Oil change after 1 year at the latest □

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Lifting forks

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Checking of forks

The forks must be checked:

- at regular intervals at least, however, once a year;
- if persisting distortions are detected.

Each fork prong is identified in the upper part of the fork guide with the admissible carrying capacity and the pertaining center-of-gravity distance.

Checking of carrying capacity and checking for the presence of cracks:

- Measure the distance L2 between check marks 1 and 2 (Fig. 1).
- Test each fork independently by applying the highest admissible load (max. carrying capacity) at the pertaining center-of gravity distance.

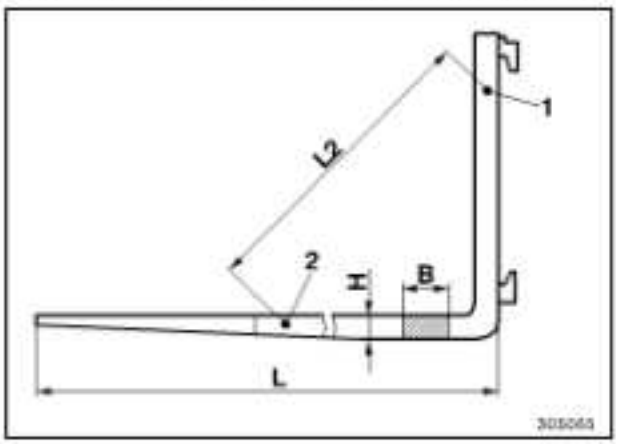


Fig. 1

- Remove the load.
- Measure distance L2 again.
- Renew the fork if measured distance L2 (see table) exceeds the admissible max. value L2 max.
  L2 max. = 102 % of L2.

L	L2	L2 max.
< 39.37 in > 39.37 in	19.69 ± 0.08 in 39.37 ± 0.08 in	20.08 in 40.16 in

After successful testing check each fork with suitable means (e.g. dye-penetration test) for the presence of cracks. Renew cracked forks immediately.

⚠ WARNING

Forks must be repaired in specialized repair shops only.

Continuing to use a fork with a lower carrying capacity than indicated is admissible on condition that:

- the mark indicating the old carrying capacity has been replaced clearly and distinctly by the new carrying capacity.
- the fork successfully passes a load test with the new carrying capacity without persisting distortion.

Checking of wear

The table below gives the most important fork dimensions (width B and thickness H) for wheel-mounted loaders.

B x H in x in	H_{min} in
3.94 x 1.77	1.61

- Measure width B and thickness H of each fork (Fig. 2).
- Compare the measured values with the B x H values in the above table.
- Renew the fork immediately if thickness H is less than the admissible minimum value H_{min}.

Also check the fork locking system at regular intervals for perfect functioning.

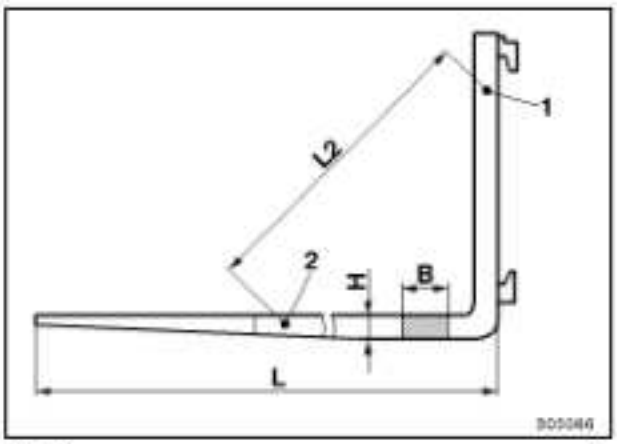


Fig. 2 □

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