Operating & Maintenance Manual

Wheel Loader

WL350-A

This manual contains important safety information.
Do not destroy this manual.
This manual must be available to the personnel who operate and maintain this machine.

P.O. Box 868 - 501 Sanford Ave
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TABLE OF CONTENTS
WL350-A

TITLE PAGE

INTRODUCTION 1-1

1 Introduction 1-2
1.1 General 1-2
1.2 Warranty 1-3
1.3 Notes on Using the Instruction Book 1-5
1.4 Environmental Requirements 1-5
1.5 Pictograms 1-6

SAFETY & PREVENTION OF ACCIDENTS 0-11

2 Safety & Prevention of Accidents 0-12
2.1 Introductory Remarks 0-12
2.2 Proper Use 0-12
2.3 General Safety Notes 0-13
2.4 Operation 0-13
2.5 Danger Zone 0-14
2.6 Transport of Persons 0-14
2.7 Stability 0-14
2.8 Travel Operation 0-15
2.9 Operation 0-15
2.10 Guides 0-16
2.11 Danger of Falling Objects 0-16
2.12 Working in the Vicinity of Underground Utilities 0-16
2.13 Working in the Vicinity of Overhead Power Lines 0-17
2.14 Operation in Closed Rooms 0-17
2.15 Work Stoppages 0-18
2.16 Change of Work Attachments, Maintenance & Repair 0-18
2.17 Tie Down, Loading & Transportation 0-20
2.18 Monitoring & Inspections 0-20
2.19 Fire Protection 0-21
2.20 Emergency Exit 0-21
2.21 Other Dangers 0-21

TECHNICAL DATA 0-23

3. Technical Data 3.1 Diesel Engine 0-24
3.2 Electrical System 0-24
3.3 Travel Drive 0-25
3.4 Brakes 0-25
3.5 Hydraulic System 0-26
3.6 Axles 0-27
3.7 Tires 0-27
3.8 Fuels, Lubricants & Coolants 0-28
3.9 Sound Level Values & Vibration 0-31
3.10 Dimensions & Weights 0-31
3.11 Front Loader Installation 0-32
3.12 Loading Bucket 0-33
3.13 Fork Lift Attachment 0-33
3.13 Optional Accessories 0-35

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OPERATION **0-37**

4 Operation **0-38**
4.1 First Commissioning 0-38
4.2 Operator Controls & Display Elements 0-39
4.3 Engine 0-44
4.4 Driver's Seat / Steering Wheel Tilt Adjustment 0-47
4.5 Heating / Ventilation 0-49
4.6 Light Switch 0-50
4.7 Hydroinflation of Tires 0-51
4.8 Driving, Steering & Braking 0-52

LOADING OPERATION **1-61**

5. Loading Operation **1-62**
5.1 General 1-62
5.2 Loader Operation 1-62
5.3 Changing Work Attachments 1-65
5.4 Notes on How to Work with the Machine 1-69

TOWING & TRANSPORT **1-71**

6 Towing & Transport of the Machine **1-72**
6.1 Towing of the Machine 1-72
6.2 Loading the Machine Using a Crane 1-74
6.3 Transporting the Machine 1-75

CARE & MAINTENANCE **0-77**

7 Care & Maintenance **0-78**
7.1 General Notes 0-78
7.2 Intervals 0-78
7.3 Regular Oil Analysis 0-79
7.4 Warranty 0-80
7.5 Inspection Parts & Aids 0-81
7.6 Care & Cleaning 0-82
7.7 Notes for Winter Operation 0-83
7.8 Checking, Maintenance & Inspection Plans 0-84
7.9 Inspection & Maintenance Work 0-94
7.10 Shutdown 0-124

TROUBLE-SHOOTING **1-129**

8 Trouble-Shooting **1-130**
8.1 General 1-130
8.2 Engine 1-130

MidWestTech | Bobcat WL350-A Wheel Loader Operating & Maintenance Manual | Publica... Order the manual at mid-west-tech.com >

TABLE OF CONTENTS
WL350-A

TITLE PAGE

APPENDIX **0-135**

9 Appendix **0-136**
9.1 Electrical system 0-136
9.2 Hydraulic System 0-160

DELIVERY & HANDING-OVER INSTRUCTIONS **0-167**

Delivery & Handing-Over Instructions **0-168**
1. Operating Instructions 0-168
2. Spare Parts List. 0-168
3. Warranty 0-168
Maintenance & Inspection Plan. 0-169
Inspection Table 0-170

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3.11 Front Loader Installation

Values based on general-purpose bucket

	Parallel Boom Geometry	
Width of bucket - 6 ft	6 ft	1,850 mm
Capacity in compliance with DIN/ISO 7546 (max. density = 1.8 t/m³)	approx. m³	0.8
Payload in bucket	3,858 lbs	1,440 kg
Dumping height at 45° dumping angle	approx. 8 ft	2,550 mm
Dumping reach at max. dumping height	approx. 2.29 ft	700 mm
Max. bucket hinge pin height	approx. 10.5 ft	3,200 mm
Tilt-back angle	50°	50°
Dumping angle at max. dumping height	45°	45°
Digging depth, horizontal bucket	approx. 39 inches	100 mm
Lift capacity at ground level	10,790 lb/f	48,000 N
Ripping force at cutting edge of bucket	10,116 lb/f	45,000 N
Tipping load, straight	14,253 lb/f	4320 kg
Tipping load, articulated	approx. 12,579 lb/f	4695 kg
Work cycle times,..... lift:	sec	4.7
.....lower:	sec	3.2
Dumping in uppermost position, in/ out	sec	1.1

* In compliance with ISO 8313

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Operation of Float Position

NOTICE

The float position must always be switched off unless actuated.

Set switch (23/48) to "O".

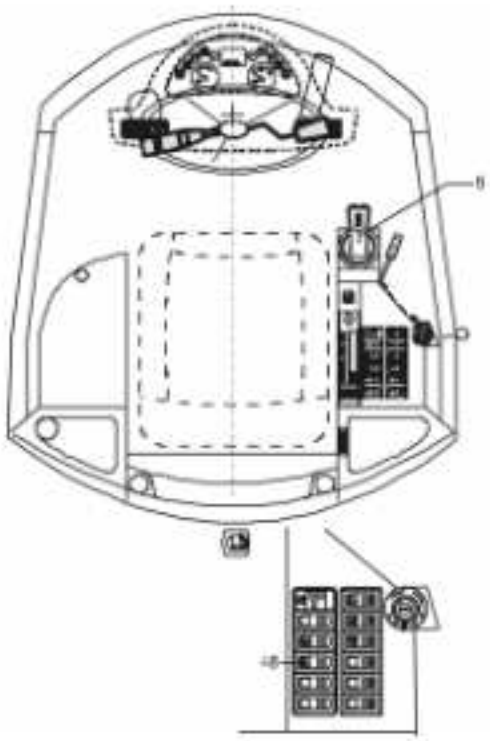


Fig. 23 - Operation

Intermittent Mode

- Activate by pushing float position switch (23/48) once to the left.
- Place bucket on ground.
- Press switch (23/8). Float position is activated.

Continuous Mode

- Place bucket on ground.
- Deactivate float position mode switch once to the right or by shutting off machine.

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7.9.2 Engine Oil Filter

The engine oil filter must be replaced with every engine oil change.

- Place oil drip pan below the engine oil filter.
- Clean the outside of the engine oil filter.
- Unscrew the filter cartridge (36/4) using a commercially available tool and check that the fastening stud is firmly secured in the filter head.
- Dispose of the filter cartridge in compliance with regulations.
- Check filter head condition and clean.
- Fill the new filter with oil, wet the sealing ring with oil and tighten firmly by hand.
- After a test run, check the tightness of the engine oil filter cartridge.

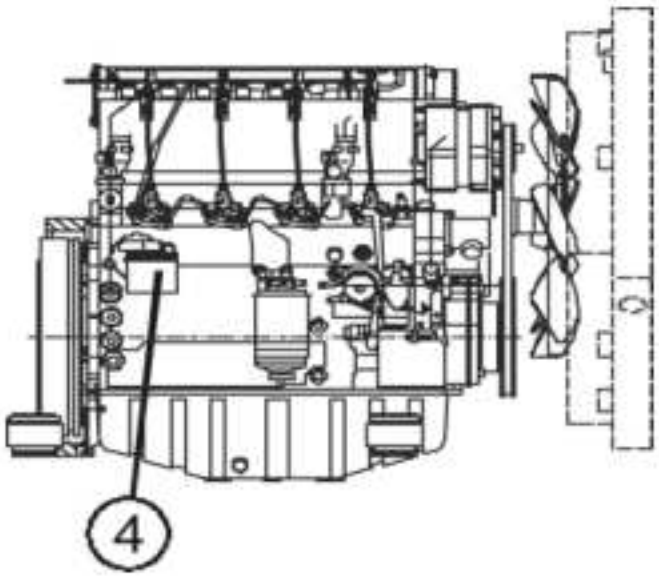


Fig. 36 - Engine oil filter

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1.3 Notes on Using the Instruction Book

References to pictures and items

The references to pictures and items contained in the text, such as *"Figure 12/4"* or *"12/4"* mean Figure 12, Item 4.

Look for these signs on the machine.

⚠ DANGER (Red Background) — Indicates the presence of a hazard which WILL cause serious injury, death or property damage, if ignored.

⚠ WARNING (Orange Background) — Indicates the presence of a hazard which CAN cause serious injury, death or property damage, if ignored.

⚠ CAUTION (Yellow Background) — Indicates the presence of a hazard which WILL or can cause injury or property damage, if ignored.

NOTICE (Blue Background) — Indicates important set-up, operating or maintenance information.

1.4 Environmental Requirements

Applicable environmental requirements must be observed for all tasks performed on and with the machine.

During installation, repair and maintenance tasks, particular care must be taken that substances that would damage the environment such as

- Lubricating grease and oil
- Hydraulic oil
- Fuel
- Coolants
- Cleaning fluids containing solvents

are not allowed to come in contact with the soil or the water system.

These substances must be stored in suitable containers and must be properly transported, collected and disposed of.

If the substances listed above do reach the soil, the leak or outlet must be stopped immediately and the fluid must be cleaned up with a suitable absorbent material. If necessary, the soil involved must be removed. Absorbent materials and removed soil must be disposed of

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7.9.6 V-Belts

Checking the Condition of V-Belts

⚠ WARNING

Only check and tension V-belts with the engine off!

Danger of injury!

- Visual check of complete V-belts.

NOTICE

Replace worn or damaged V-belts immediately.

Checking the V-Belt Tension

NOTICE

To check the V-belt tension, a tension gauge is recommended. Check the tension in compliance with the manufacturer's operating instructions.

Checking the V-Belt Tension without a Tension Gauge

- To check the tension, press the V-belt with your thumb in the middle of the greatest free length, and measure the sag.
- Using medium thumb pressure of approx.10lbF/45 N, the V-belt sag (A) should equal 3-.5 inches (10-15 mm).

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