Operator's Manual

Dumpers

6001/9001/10001



Machine models	**6001/9001/10001**
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Table of contents

Introduction
Important information on this Operator's Manual ... 1-1
Brief description ... 1-2
Regulations ... 1-2
EC declaration of conformity: 6001 dumper ... 1-3
EC declaration of conformity: 9001/10001 dumpers ... 1-4
Labels ... 1-7

Safety Information
Warranty ... 2-12
Designated Use and Exemption from Liability ... 2-12
User training and knowledge ... 2-13
Preparing for use ... 2-13
Modifications and spare parts ... 2-13
Staff Qualifications and Basic Responsibilities ... 2-14
User/owner responsibility ... 2-14
Repair person qualifications ... 2-14
Safety instructions Regarding Operation ... 2-14
Preparing for use ... 2-14
Startup and shutdown ... 2-14
... 2-15
Work area awareness ... 2-15
Danger area awareness ... 2-15
Operating the machine ... 2-15
Carrying passengers ... 2-15
Carrying passengers ... 2-16
Mechanical integrity ... 2-16
Driving on public roads ... 2-16
Trailering and Transport ... 2-16
Trailers ... 2-16
Transport ... 2-17

Temperature Range

Safety Guidelines for Maintenance
General maintenance notes ... 2-17
Personal safety measures ... 2-17
Preparing for maintenance and repair work ... 2-18
Performing maintenance and repairs ... 2-18
Special Hazards ... 2-18
Battery ... 2-18
Chains (Track dumpers) ... 2-19
Electric energy ... 2-19
Safety Guidelines while using Internal Combustion Engines ... 2-20
Guidelines for running the engine ... 2-20
Guidelines for fueling the engine ... 2-20

Operation
Description of components ... 3-2
Control stand ... 3-4
Instrument panel ... 3-6
Dumpers without cab ... 3-6
Dumpers with cab (option) for 6001/9001 machines with serial numbers AB ..., and 10001 machines with serial numbers AA 3-7
Dumpers with cab (option) for 6001 machines with serial numbers AD ... , 9001/10001 machines with serial numbers AC 3-8

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Putting into operation ... 3-10
Safety instructions ... 3-10
Putting the machine into operation for the first time ... 3-10
Running-in period ... 3-10
Check lists ... 3-11
Start-up checklist ... 3-11
Operation checklist ... 3-12
Parking checklist ... 3-12
Telltales and warning lights: overview ... 3-13
Driving the dumper ... 3-16
Preheating start switch: overview ... 3-16
Before starting the engine ... 3-16
Starting the engine: general ... 3-16
Procedure ... 3-17
When the engine has started ... 3-18
Engine warm-up ... 3-18
Jump-starting the engine (supply battery) ... 3-18
Special instructions for driving on public roads ... 3-19
Moving off ... 3-19
Accelerator pedal ... 3-20
Hydraulic brake ... 3-20
Parking brake ... 3-20
Hazard warning system ... 3-21
Low/high speed (6001 dumpers with serial numbers AD ...) ... 3-21
Driving on slopes ... 3-22
Specific safety instructions ... 3-22
Driving on slopes with a loaded skip ... 3-22
Driving on slopes with an empty skip ... 3-22
Driving across slopes ... 3-22
Parking the machine ... 3-23
Loading the machine ... 3-24
Seat adjustment ... 3-25
Weight adjustment ... 3-25
Horizontal adjustment ... 3-25
Backrest adjustment ... 3-25
Seat belt ... 3-26
Light system ... 3-27
Road travel lights ... 3-27
Multifunctional lever ... 3-28
Interior light ... 3-28
Rotating beacon (option) ... 3-28
Working light ... 3-29
Cab heating and ventilation ... 3-29
Air conditioning (option) ... 3-30
Washer system ... 3-30
Tank for washer system ... 3-31
Doors ... 3-32
Door arresters ... 3-32
Working with the machine ... 3-33
General safety instructions ... 3-33
Front skip operation ... 3-34
Swivel skip operation ... 3-35
Rollbar ... 3-36
Towing ... 3-37
Opening the high-pressure circuit ... 3-37

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Centre pivot prop 3-38
Locking the control lever (machines without cab) 3-38
Crane handling the machine 3-39
Loading and transporting the machine 3-40
Strapping down the machine 3-41
Battery master switch 3-41
Engine cover (machines without cab) 3-42

Troubleshooting
Engine trouble 4-1

Maintenance
Introduction 5-1
Maintenance prop 5-2
Front skip maintenance prop 5-2
Swivel skip maintenance prop 5-2
Fuel system 5-3
Specific safety instructions 5-3
Refuelling 5-3
Stationary fuel pumps 5-4
Diesel fuel specification 5-4
Bleeding the fuel system 5-5
Replacing the fuel filter (Perkins diesel engine) 5-6
Replacing the fuel filter (Deutz diesel engine) 5-7
Engine lubrication system 5-8
Checking the oil level 5-8
Filling up engine oil 5-9
Engine cooling system 5-10
Specific safety instructions 5-10
Checking/filling up coolant 5-11
Air filter 5-13
Replacing the filter 5-14
V-belt 5-15
Checking V-belt tension 5-15
Retightening the V-belt 5-16
Hydraulic system 5-17
Specific safety instructions 5-17
Checking the hydraulic oil level 5-18
Filling up hydraulic oil 5-19
Changing hydraulic oil 5-20
Fouling indicator for hydraulic oil filter 5-20
Replacing the hydraulic oil filter element 5-20
Important information for the use of biodegradable oil 5-21
Checking hydraulic pressure lines 5-22
Gearbox lubrication system 5-23
Checking the oil level 5-23
Filling up gearbox oil 5-24
Replacing the gearbox oil filter cartridge 5-25
Tyres 5-26
Inspection work 5-26
Wheel change 5-27
Axles 5-28
Checking the oil level and filling up oil 5-28
Draining oil 5-28
Electric system 5-29
Specific safety instructions 5-29
Service and maintenance work at regular intervals 5-29
Instructions concerning specific components 5-30

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Accelerator pedal

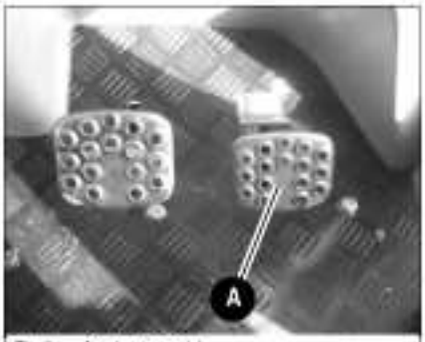


Fig. 8: Accelerator pedal

Accelerator pedal ***A*** sets the engine revs. During drive operation, the dumper is accelerated as revs are increased. During skip operation, the skip dumps in or out more rapidly as revs are increased.

Function	
Press the pedal	Engine speed rises
Reduce the pressure on the pedal	Engine speed is reduced
Release the pedal	Idling speed

The forwards or reverse drive speed depends on the position of accelerator pedal ***A***.

Hydraulic brake

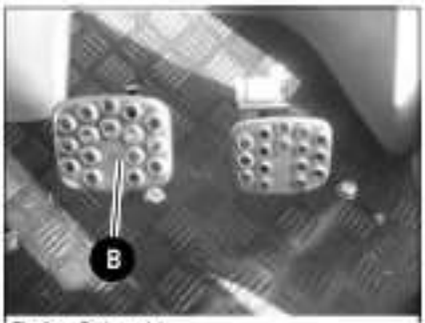


Fig. 9: Brake pedal

Hydrostatic drive.

Hydraulic service brake ***B*** with fully enclosed wet multidisc brakes in the front axle, self-adjusting, braking effect on all four wheels.

Important!

Use service brake ***B*** on slopes to slow down the machine as required.

Parking brake

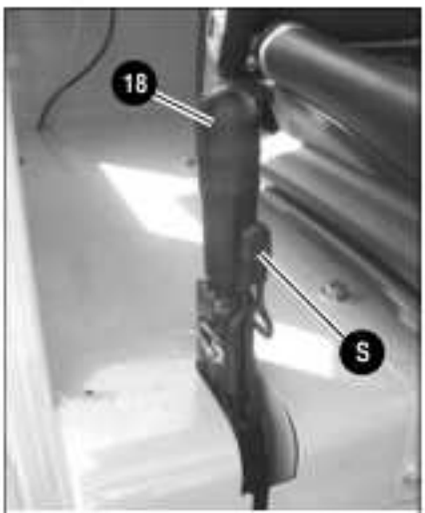


Fig. 10: Parking brake

Parking brake: mechanical disc brake with brake effect on the cardan shaft between the selector gearbox and the transfer gearbox!

Caution!

Reduced running performance, long standstill times and reduced loads cause the brake discs to corrode and dirt to accumulate on the brake linings. Slightly braking the machine (making sure no-one is hindered by the brake manoeuvre) every few kilometres in conditions of strong rain or on wet surfaces helps to dry the brake discs and linings with the heat created by braking. Cleaning with a high-pressure cleaner can cause water to penetrate into the brakes and to damage them.

Release the parking brake

☞ *Press lock lever **S** of parking brake lever **18***

☞ *Press parking brake lever **18** downwards to the front*

Apply the parking brake

☞ *Pull parking brake lever **18** up*

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5.2 Maintenance prop

Front skip maintenance prop

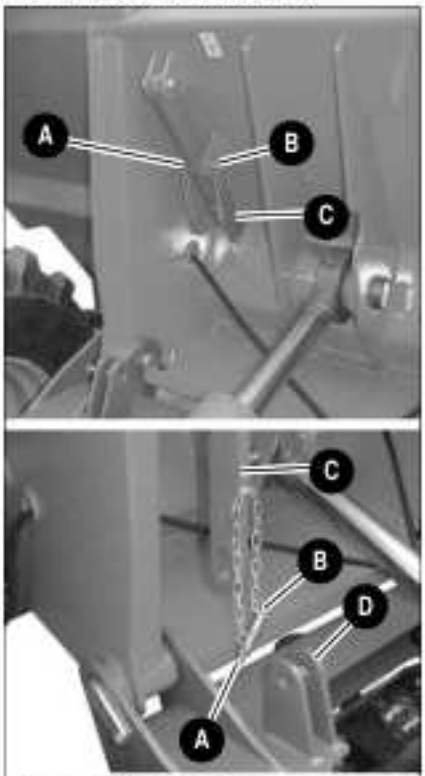


Fig. 12: Front skip maintenance prop

Danger!

Fold down the red maintenance prop before you carry out maintenance work with the skip raised.

Procedure to follow:

- ☞ *Raise the skip*
- ☞ *Remove split pin **A** out of lock pin **B***
- ☞ *Pull out lock pin **B***
  - ☞ Hold maintenance prop **C** as you do so
- ☞ *Fold down maintenance prop **C***

Caution!

Stay clear of the danger area under the skip!

☞ *The skip must be lowered a little.*

- ☞ *Lower the skip until maintenance prop **C** fits into bracket **D**.*
- ☞ *Fasten maintenance prop **C** in bracket **D** with lock pin **B***
- ☞ *Insert split pin **A** in lock pin **B***

Swivel skip maintenance prop

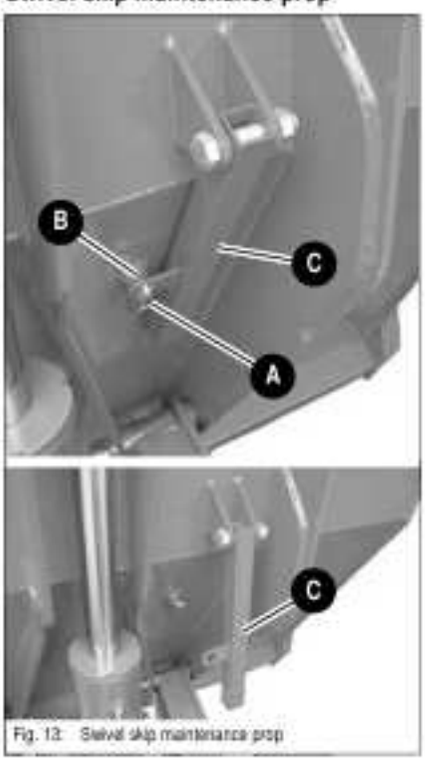


Fig. 13: Swivel skip maintenance prop

Danger!

Mount the red maintenance prop before you carry out maintenance work with the skip raised.

Procedure to follow:

- ☞ *Raise the skip*
- ☞ *Remove split pin **A** out of lock pin **B***
- ☞ *Fold down maintenance prop **C***
- ☞ *Lower the skip until maintenance prop **C** rests on the swivelling console*

Important!

Fasten maintenance prop **C** on the skip again (in the reverse order) once maintenance work is over.

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6.4 Brakes

Service brake/parking brake	Models 6001/9001/10001
Design	Hydraulic pedal-operated wet dual-circuit brake
Location	Brake discs in either axle
Effect	Additional brake effect on rear axle via cardan shaft, parking brake effect on front axle

6.5 Steering system

Steering system	Models 6001/9001/10001
Design	Hydrostatic chassis articulation steering with emergency steering features
Steering mode	Chassis articulation steering

6.6 Work hydraulics

Work hydraulics	Model 6001		Models 9001/10001
	Up to serial number AD	From serial number AD	
Hydraulic pump displacement	25 cm³/rev	22 cm³/rev	25 cm³/rev
Hydraulic pump flow rate	55 l/min (14.5 gpm)	57 l/min (15 gpm)	55 l/min (14.5 gpm)
Max. service pressure	220 bar (3191 psi)	220 bar (3191 psi)	220 bar (3191 psi)
Hydraulic tank capacity	70 l (18.5 gal)	70 l (18.5 gal)	70 l (18.5 gal)
Steering system	150 bar (2175.5 psi)	150 bar (2175.5 psi)	150 bar (2175.5 psi)

6.7 Skip

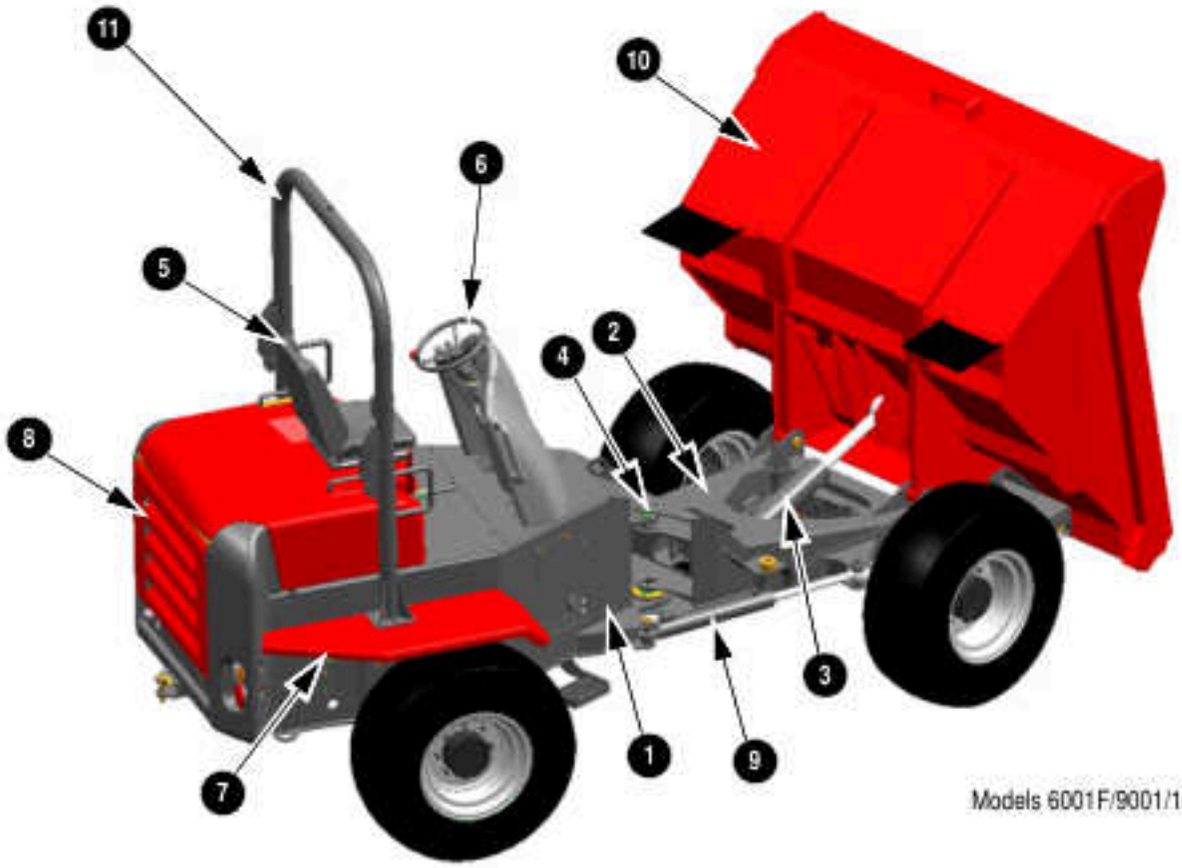
Skip	Model 6001F	Model 6001S	Model 9001	Model 10001
Skip capacity	2400 l struck (634 gal)		3850 l struck (107 gal)	4000 l struck (1056.7 gal)
	3200 l heaped (845 gal)		4700 l heaped (1241 gal)	4850 l heaped (1281 gal)
	1880 l liquid capacity (496.6 gal)		2250 l liquid capacity (594.4 gal)	2250 l liquid capacity (594.4 gal)
Payload	6000 kg (13227.7 lb)		9000 kg (19841.6 lb)	10010 kg (220484 lb)
Swivel angle	-	180 – 217°	-	-

6.8 Drive specifications

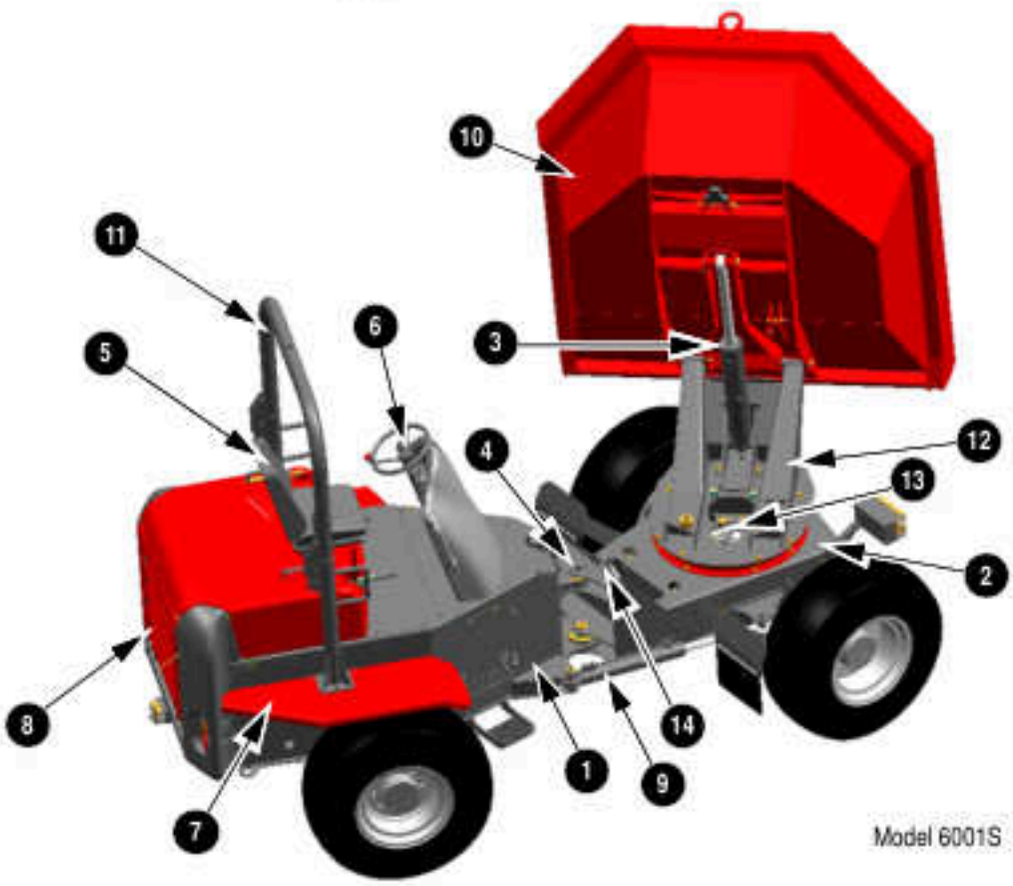
Steering system	Model 6001 Hydrostat	Models 6001/9001/10001
Drive speed I	0 – 5 kph	0 – 4.5 kph
Drive speed II	0 – 25 kph	0 – 7 kph
Drive speed III	-	0 – 14 kph
Drive speed IV	-	0 – 27 kph
Articulation	+/- 33°	+/- 32.5°
Oscillation	+/- 15°	
Outside turning radius	5200 mm (17' 1")	6000 mm (19' 8")
Hill climbing ability	50 % (theoretically)	
Safe authorised inclination	25 % in all drive positions left/right	

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3.1 Description of components



Models 6001F/9001/10001



Model 6001S

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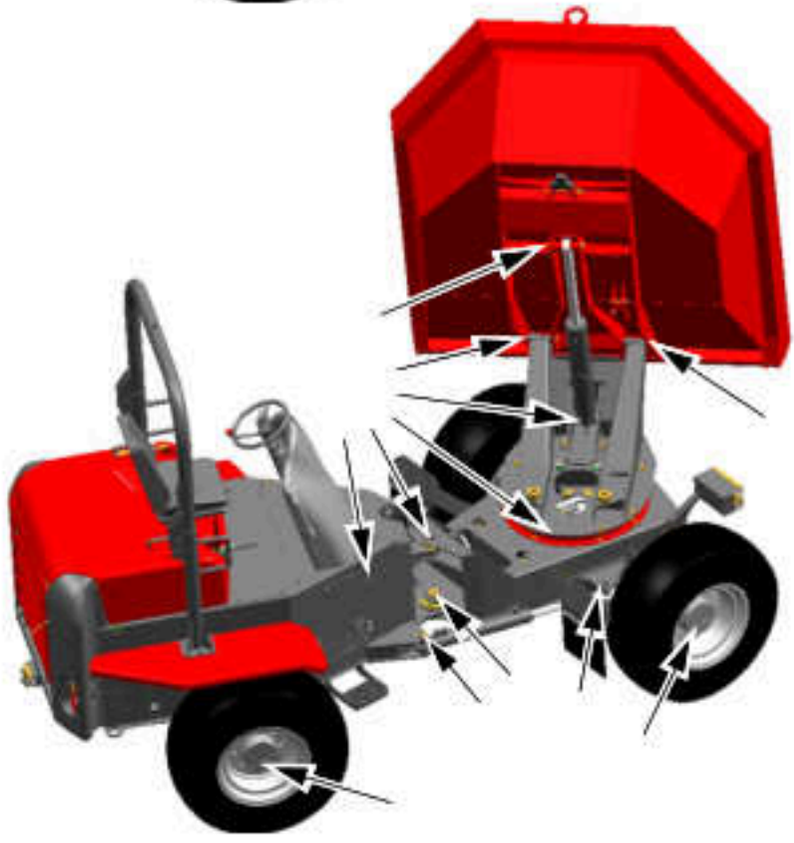
5.16 Lubrication plan

Fold down the red maintenance prop before you carry out maintenance work with the skip dumped out.– see chapter 5.2 Maintenance prop on page 5-2

Front skip



Swivel skip



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