Operator's Manual

Dumper

3001



Machine model	**3001**
Edition	**4.0**
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WACKER NEUSON

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3.6 Driving the dumper

Preheating start switch: overview

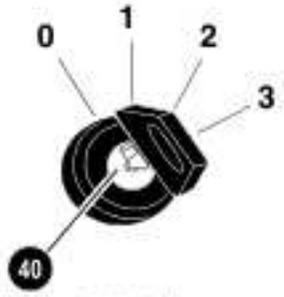


Fig. 19: Preheating start switch

Position	Function	Power consumer
0	Insert or remove the ignition key	None
1	ON/drive position	All functions are operational ➥ Telltales come on
2	Preheats the engine (10 – 15 seconds)	➥ Until the preheating telltale goes out
3	Starts the engine	➥ Starter is actuated ➥ Telltales must go out

Accelerator pedal: overview

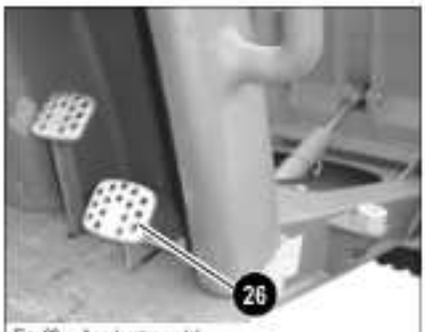


Fig. 20: Accelerator pedal

The accelerator pedal controls the revs as follows:

- Speed can be set continuosly with accelerator pedal **26**

☞ Press down the accelerator pedal:

➥ Engine speed rises

☞ Reduce the pressure on the accelerator pedal:

➥ Engine speed is reduced

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5.14 Maintenance plan (overview)

Work description

For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.

	Maintenance plan/service hours (s/h)						
	Maintenance work (once a day)	Every 50 s/h	Every 250 s/h	Every 500 s/h	Once a year or after 1000 s/h	After 1500 s/h	Customer	Authorised workshop
Fluid and filter changes ( ):								
Carry out the following oil and filter changes (check oil levels after test run):								
• Engine oil [1]		●		●				●
• Engine oil filter [2]		●		●				●
• Fuel filter [3]		●		●				●
• Air filter element				●				●
• Coolant					●			●
• Differential oil [4]		●			●			●
• Semiaxle oil [5]		●			●			●
• Transfer gearbox oil [6]		●			●			●
• Brake oil					●			●
• Hydraulic oil filter insert [7]		●			●			●
• Hydraulic oil [8]				●	●			●
• Hydraulic oil tank breather					●			●
Inspection work ( ):								
Check the following material. Refill if necessary:								
• Engine oil	●						●	
• Engine coolant	●						●	
• Hydraulic oil	●						●	
Clean water ducts [9]					●			●
Check radiator for engine and hydraulic oil for dirt. Clean if necessary	●						●	
Check cooling systems, heating and hoses for leaks and pressure (visual check)	●						●	
Air filter (damage)	●						●	
Check the air filter, clean if necessary	●						●	
Prefilter with water separator: drain water	●						●	
• Clean				●				●

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6.5 Steering system

Steering system	Model 3001
Design	Hydrostatic
Steering mode	Chassis articulation steering

6.6 Work hydraulics

Work hydraulics	Model 3001
Hydraulic pump displacement	16.2 cm^3/rev
Hydraulic pump flow rate	45 l/min
Max. operating pressure	200 bar
Secondary pressure limiting for offset ram	160 bar
Hydraulic tank capacity	48 l
Steering system	150 bar

6.7 Skip

Skip	Model 3001 F	Model 3001S	Model 3001S 2.2 metres high with skip dumped out
Skip capacity	1500 l struck	1300 l struck	1020 l struck
	1850 l heaped	1750 l heaped	1300 l heaped
	1160 l liquid capacity	900 l liquid capacity	820 l liquid capacity
Payload	3000 kg		2600 kg
Swivel angle	-	180 – 217°	180 – 217°

6.8 Drive specifications

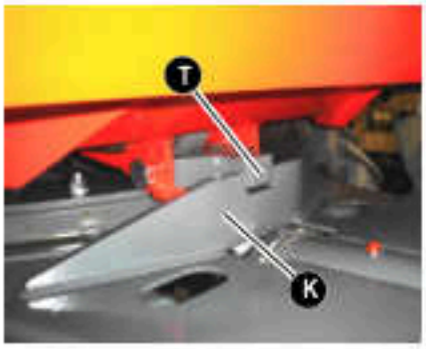
Steering system	Model 3001 F	Model 3001S
Drive speed I	0 – 7 kph	
Drive speed II	0 – 22 kph	
Articulation	+/- 37°	
Oscillation	+/- 15°	
Outside turning radius	4000 mm	3950 mm
Hill climbing ability	50 % (theoretically)	
Safe authorised inclination	25 % in all drive positions left/right	

6.9 Electrical system

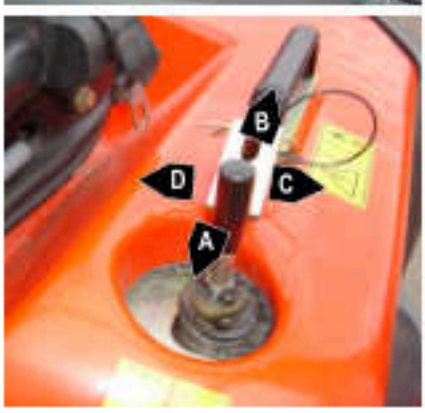
Electrical system	
Alternator	12 V 40 A
Starter	12 V 1.4 kW
Battery	12 V 88 Ah

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3.14 Dumper 3001 swivel skip operation







Caution!

Driving with a dumped-out skip is prohibited!

Material that sticks in the skip may be dumped out only to the front in the straight-ahead position of the dumper.

The working speed of the skip is set with the travel of the control lever and with the accelerator pedal.

When dumping material into a pit, a firm resistance (beam) is required for propping the front wheels!

☞ *Never drive up to a pit only with the brakes!*

Lowering the skip too rapidly and knocking it against the chassis can cause damage and the dumper to tip over!

Set the skip to the required position before dumping out the skip.

Position	Lever	Function
A	☞ *Lever forwards*	➥ Dumps out the skip
B	☞ *Lever pulled backwards*	➥ Lowers the skip
C	☞ *Lever to the left*	➥ Skip swivels to the left
D	☞ *Lever to the right*	➥ Skip swivels to the right

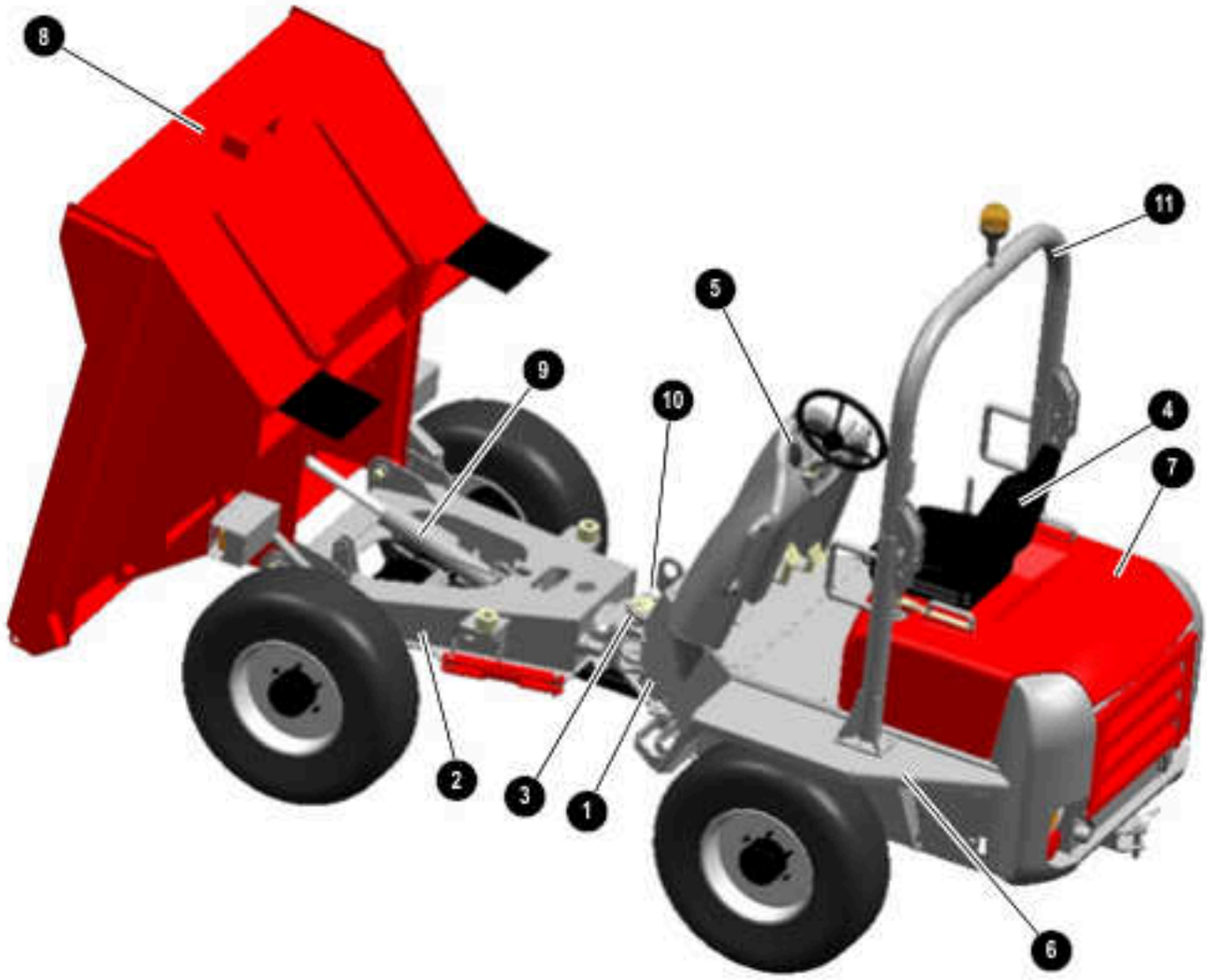
Swivelling the skip:

Before swivelling the skip, press the lever forwards to raise it until lock cog **T** is raised from lock recess **K**.

The skip can then be swivelled.

The normal position of the skip is the position in which the skip is in centre position and in which lock cog **T** engages in lock recess **K**.

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3.1 Description of 3001F components (overview)

Pos.	Description
1	Rear chassis
2	Front chassis
3	Articulated joint
4	Seat
5	Control stand
6	Mudguard
7	Engine cover
8	Skip
9	Tilt ram
10	Steering ram
11	Rollbar

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