Operator's Manual

Compact loaders

901s 1101c
901sp 1101cp



Machine models	**901s/901sp/1101c/1101cp**
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WACKER NEUSON

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3.10 Control lever (H controls): overview

Danger!

Unintentional operation of control lever fig. 55/**5/20** when driving on public roads –

Danger of accidents!

☞ *Lock the work hydraulics with switch* **46**

Notice!

Fast actuation of the control lever for the attachment moves the attachment fast. Slow actuation of the control lever moves the attachment slowly.

Locking the work hydraulics (option)

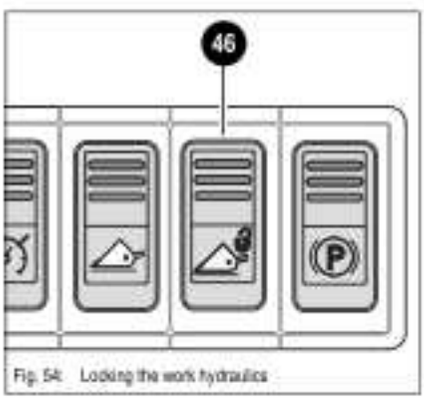


Fig. 54: Locking the work hydraulics

Switch **46** is installed if the machine is equipped with the StVO Austrian road traffic regulations option.

Actuating switch **46** locks the entire work hydraulics.

The machine can be driven only.

Control lever (H controls)



Fig. 55: Control lever (H controls)

Position	Lever	Function
• A	☞ *To the left*	➥ Lowers the loader unit
• B	☞ *To the right*	➥ Raises the loader unit
• C	☞ *To the left*	➥ Tilts in the attachment
• D	☞ *To the right*	➥ Dumps out the attachment
• E	☞ *Fully to the left and beyond into the engaged position*	➥ Lowers the loader unit to float position

Notice!

Always carry out smooth control movements.
The floating position is beneficial when working with a rotary broom, snow ploughs etc.

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Replacing the filter

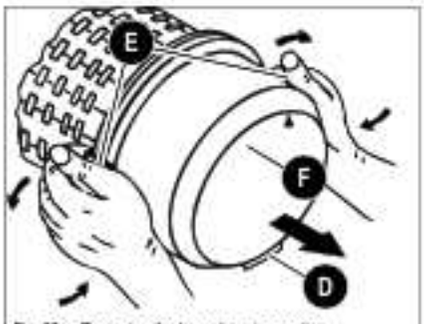


Fig. 90: Removing the lower housing section

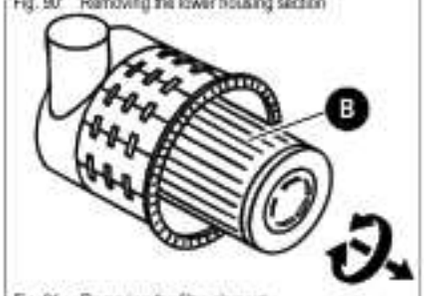


Fig. 91: Removing the filter element

- Replace outside filter ***A*** as follows:

☞ *Stop the engine*
☞ *Remove the key*
☞ *Let the engine cool down*
☞ *Open the engine cover*
☞ *Remove dirt and dust from the air filter and the area around the air filter*
☞ *Fold bow clips **E** on lower housing section **F** to the outside*
☞ *Remove lower housing section* **E**
☞ *Carefully remove outside filter* **F** *with slightly turning movements*
☞ **Make sure** *all dirt (dust) inside the upper and lower housing sections, including the dust valve, has been removed*
☞ Clean the parts with a clean lint-free cloth, do not use compressed air
☞ *Check the air filter cartridges for damage, only install intact filters*
☞ *Carefully insert new outside filter* **B** *in the upper housing section*
☞ *Position lower housing section* **F** *(make sure it is properly seated)*
☞ *Close bow clips* **E**

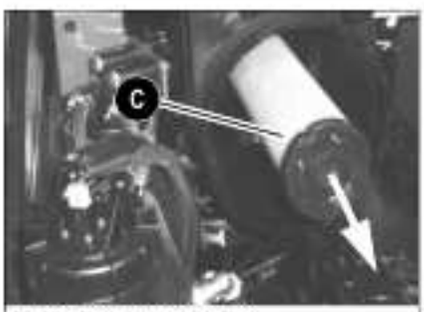


Fig. 92: Replacing the inside filter

- Replace inside filter ***C*** as follows:

☞ *Stop the engine*
☞ *Remove the key and carry it with you*
☞ *Let the engine cool down*
☞ *Open the engine cover*
☞ *Remove dirt and dust from the air filter and the area around the air filter*
☞ *Fold bow clips **E** on lower housing section **F** to the outside*
☞ *Remove lower housing section* **F**
☞ *Carefully remove outside filter* **B** *with slightly turning movements*
☞ *Carefully remove inside filter* **C**
☞ Cover the air supply at the end of the filter with a clean lint-free cloth to prevent dust from entering the engine
☞ **Make sure** *all dirt (dust) inside the upper and lower housing sections* **F**, *including dust valve* ***D***, *has been removed*
☞ Clean the parts with a clean lint-free cloth, do not use compressed air
☞ Remove the cloth from the air supply
☞ *Check the air filter cartridges for damage, only install intact filters*
☞ *Carefully insert the new inside filter* **C**
☞ *Carefully insert outside filter* **B** *in the upper housing section*
☞ *Position lower housing section* **F** *(make sure it is properly seated)*
☞ *Close bow clips* **E**

Notice!

Make sure dust valve **D** shows downwards once it is installed!

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6 Specifications

6.1 Chassis

Sturdy steel sheet chassis, rubber-mounted engine

6.2 Engine

Engine	Model 901s	Models 901sp/ 1101c/1101cp
Product	Deutz diesel engine	
Type	D 2011 L04W	TD 2011 L04W (turbocharged engine)
Design	Water-cooled 4 stroke diesel engine	
No. of cylinders	4	4
Displacement	3619 cm³	3619 cm³
Nominal bore and stroke	96 x 125 mm	96 x 125 mm
Output	50 kW at 2600 rpm	63 kW at 2500 rpm
Max. torque	200 Nm at 1700 rpm	270 Nm at 1600 rpm
Max. engine speed without load	2800 +/- 50 rpm	2700 +/- 50 rpm
Idling speed	1400 +/- 50 rpm	1400 +/- 50 rpm
Specific fuel consumption	239 g/kW-h	238 g/kW-h
Firing order	1-3-4-2	1-3-4-2
Fuel injection system	Direct injection	
Starting aid	Preheater (preheating time 10 – 15 seconds)	
Max. inclined position (engine no longer supplied with oil):	30° in all directions Observe tilting limit (20° lateral) of the machine!	
Diesel tank capacity	70 l	
Exhaust values according to	97/68/EC – stage III A EPA III ECE-R24	

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Fig. 72: Loading if the material is hard to penetrate

If the material is hard to penetrate:

☞ *Proceed as for loading loose material, but in addition:*

☞ *Slightly dump the bucket in and out*

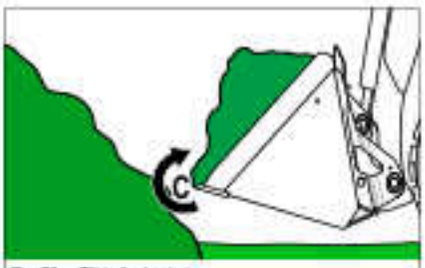


Fig. 73: Tilt in the bucket

Ending loading:

☞ *Tilt in the bucket* **C**

☞ *Reduce engine speed*

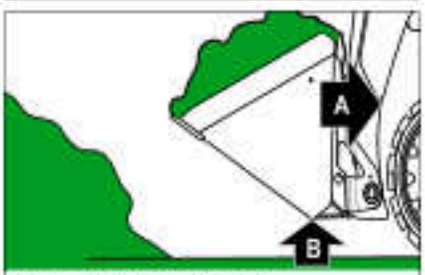


Fig. 74: Reversing out of the material

☞ *Reverse out of the material* **A**

☞ *Raise the bucket to transport position* **B**

Removing material/digging in soft soil

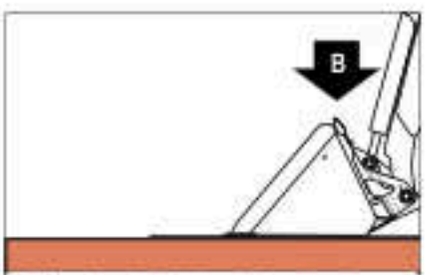


Fig. 75: Lowering the loader unit horizontal to the ground

Danger!

If foundations or walls are undermined – danger of collapse!

Danger of accidents!

☞ *Never undermine foundations or walls!*

☞ *Place the bucket horizontally on the ground* **B**

☞ *Set the digging angle* α **1**

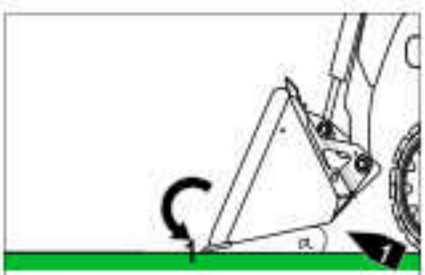


Fig. 76: Setting the digging angle

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3.4 Instrument panel legend

Pos.	Description	For more information see page
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25	Fuel level indicator	3-8
26	Cold starter telltale (yellow)	3-6
27	Telltale (red) – pump pressure	3-7
28	Hydraulic oil filter telltale (red)	3-6
29	Alternator charge function telltale (red)	3-6
30	Parking brake telltale (red)	3-7
31	Engine oil pressure telltale (red)	3-6
32	Coolant temperature telltale (red)	3-6
33	Turn indicator telltale (green)	3-7
34	Safety electrics telltale (red)	3-7
35	Load stabiliser telltale (blue)	3-7
36	Not assigned	5-4
37	2nd speed telltale (green)	3-31
38	Coolant temperature	3-8
39	Hour meter	3-8
40	Air conditioning (option)	3-37
41	Fan	3-36
42	Rotating beacon (option)	3-34
43	Working lights (option)	3-34
44	Speed control (option)	3-13
45	Bucket parallel lift	3-56
46	Work hydraulics (lock)	3-21
47	Parking brake	3-13, 3-27
48	Hydraulic quickhitch (option)	3-61
49	"3rd control circuit" High Flow	3-59
50	Lights (option)	3-32
51	Hazard warning system (option)	3-33
52	Left/right turn indicators (option)	3-32
53	Window wiper/washer switch (option)	3-35
54	Stabilisers (option)	

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