WACKER NEUSON

Repair Manual for Wheel Loader WL 55 / WL 57



Translation of the original repair manual

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Electrical system

- Operating voltage 12 V
- Battery 100 Ah
- Generator
  Charging voltage 14 V (at 2000 rpm)
  Maximum capacity 55 A

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- Read off the resistance on the ohmmeter.
  The displayed measured value must be approx. 5 Ω (tolerance ± 5 Ω).
- Hold the fuel level sensor in the normal position.
- Read off the resistance on the ohmmeter.
  The displayed measured value must be approx. 320 Ω (tolerance ± 20 Ω).

If a fault is found:

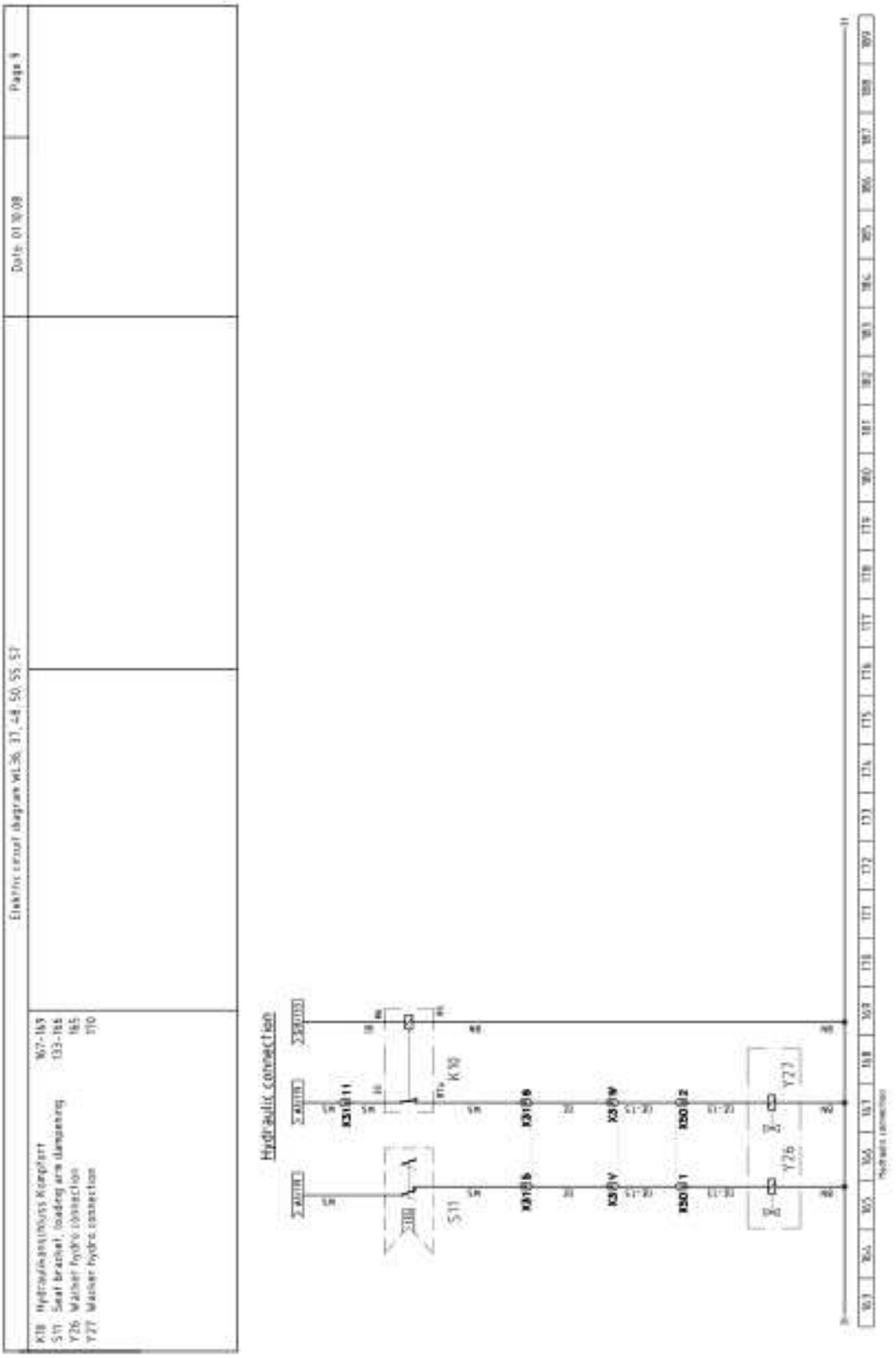
Remedying the problem

- Replace the fuel level sensor (see Part 4, "Replacing the fuel level sensor" section).

7.5 Troubleshooting on the electrical system

Symptom	Possible cause	Remedy
Electrical part of the gear changer is not working	Fuse element faulty	Check fuse element for continuity and replace if necessary
	Multi-function lever defective	Check the switching behavior of the multi-function lever (see circuit diagram) and replace if necessary
	Driving direction recognition solenoid valve defective	Check the function of the solenoid valve, replace the coil and drive if necessary
	Cable defective	Check cable for continuity and replace if necessary
Low gear selection cannot be engaged	Fuse element faulty	Check fuse element for continuity and replace if necessary
	Button for overdrive circuit defective	Check the switching behavior of the button (see circuit diagram) and replace if necessary
	Solenoid valve of the overdrive circuit defective	Check the function of the solenoid valve, replace the coil and drive if necessary
	Cable defective	Check cable for continuity and replace if necessary

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