A TEREX COMPANY

Service Manual

Serial Number Range

S™80
S™85

from S8007-5381
to S8008-7999

Part No. 122149
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Specifications

Machine Specifications

Tires and wheels	
Tire size	15-22.5 SAT 385/65-22.5
Tire ply rating	16
Overall tire diameter	43.5 in 110.5 cm
Tire weight, new foam-filled (minimum), RT	622 lbs 282 kg
Tire pressure, RT	100 psi 6.9 bar
Tire pressure, Hi-floatation	60 psi 4.1 bar
Wheel diameter	22.5 in 57 cm
Wheel width	11.75 in 29.8 cm
Wheel lugs	10 @ 3/4-16
Lug nut torque, dry	420 ft-lbs 569 Nm
Lug nut torque, lubricated	320 ft-lbs 434 Nm

Fluid capacities	
Fuel tank	33 gallons 125 liters
LPG tank	33.5 pounds 15.2 kg
Hydraulic tank	45 gallons 170 liters
Hydraulic system (including tank)	80 gallons 303 liters
Turntable rotation drive hub	40 fl oz 1.2 liters
Rexroth drive hubs	61 fl oz 1.8 liters
Bonfiglioli drive hubs	51 fl oz 1.5 liters

Drive hub oil type:
SAE 90 multipurpose hypoid gear oil
API service classification GL5

For operational specifications, refer to the Operator's Manual.

Continuous improvement of our products is a Genie policy. Product specifications are subject to change without notice.

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Fault Codes



Observe and Obey:

- ☑ Troubleshooting and repair procedures shall be completed by a person trained and qualified on the repair of this machine.
- ☑ Immediately tag and remove from service a damaged or malfunctioning machine.
- ☑ Repair any machine damage or malfunction before operating the machine.
- ☑ Unless otherwise specified, perform each repair procedure with the machine in the following configuration:
  - Machine parked on a firm, level surface
  - Boom in stowed position
  - Turntable rotated with the boom between the non-steer wheels
  - Turntable secured with the turntable rotation lock
  - Key switch in the off position with the key removed
  - Wheels chocked
  - All external AC power disconnected from the machine

Before Troubleshooting:

- ☑ Read, understand and obey the safety rules and operating instructions printed in the *Genie S-80 and Genie S-85 Operator's Manual.*
- ☑ Be sure that all necessary tools and test equipment are available and ready for use.
- ☑ Read each appropiate fault code thoroughly. Attempting shortcuts may produce hazardous conditions.
- ☑ Be aware of the following hazards and follow generally accepted safe workshop practices.

⚠DANGER Crushing hazard. When testing or replacing any hydraulic component, always support the structure and secure it from movement.

⚠WARNING Electrocution hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

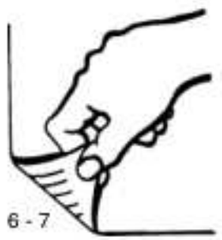
⚠WARNING Bodily injury hazard. Spraying hydraulic oil can penetrate and burn skin. Loosen hydraulic connections very slowly to allow the oil pressure to dissipate gradually. Do not allow oil to squirt or spray.

Note: Perform all troubleshooting on a firm, level surface.

Note: Two persons will be required to safely perform some troubleshooting procedures.

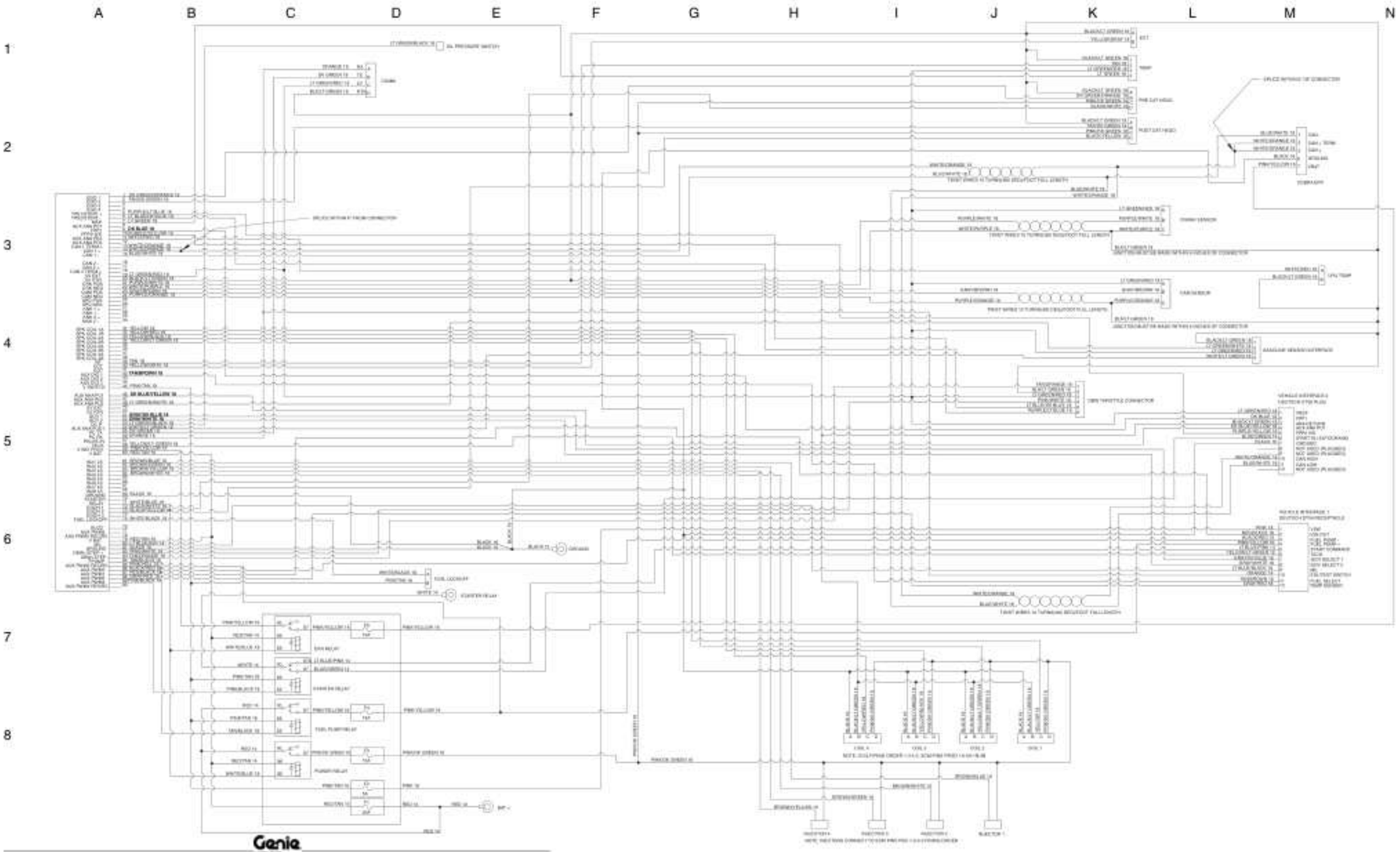
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Electrical Schematic, S80/85
Deutz BF4L 2011 Models (before serial number 5520)



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Continental TME27 Engine Harness



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