A TEREX COMPANY

Service Manual

Serial Number Range

S-3200™

from S320011D - 0101

S-3800™

from S380011D - 0101

Part No. 226055

Rev B

July 2011

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Specifications

REV A

Machine Specifications, S-3200 and S-3800 Models

Stowed dimensions	S-3200	S-3800
Length, transport position	40 ft 8 in 12.4 m	40 ft 8 in 12.4 m
Length, stowed	43 ft 0 in 13.1 m	43 ft 0 in 13.1 m
Width, axles retracted	8 ft 2 in 2.49 m	8 ft 2 in 2.49 m
Width, axles extended	11 ft 3.35 m	11 ft 3.35 m
Height, stowed maximum	10 ft 3 in 3.13 m	10 ft 6 in 3.2 m
Weight	39,760 lbs 18,035 kg	45,300 lbs 20,548 kg
Ground clearance, axle	14 in 35.6 cm	14 in 35.6 cm

Tires and wheels	S-3200	S-3800
Tire size, solid rubber	365/65D22.5	445/65D22.5
Overall tire diameter	43 in 1.09 m	46.5 in 1.18 m
Wheel diameter	30.4 in 77.3 cm	33.8 in 85.9 cm
Wheel width	14.5 in 36.8 cm	17.8 in 45 cm
Wheel lugs		10 @ 3/4 -16
Lug nut torque, dry		420 ft-lbs 570 Nm
Lug nut torque, lubricated		320 ft-lbs 434 Nm

Operational dimensions	S-3200	S-3800
Platform height, maximum	100 ft 30.48 m	120 ft 36.58 m
Working height, maximum	106 ft 32.48 m	126 ft 38.58 m
Horizontal reach maximum	73 ft 22.25 m	73 ft 22.25 m
Maximum load capacity	750 lb 340 kg	750 lb 340 kg
Turntable tailswing, axles retracted	5 ft 6 in 1.68 m	5 ft 6 in 1.68 m
Turntable tailswing axles extended	4 ft 1.22 m	4 ft 1.22 m
Wheelbase	12 ft 3.66 m	12 ft 3.66 m
Turning radius, outside, axles retracted	46 ft 5 in 14.15 m	62 ft 3 in 18.98 m
Turning radius, inside, axles retracted	36 ft 6 in 11.13 m	42 ft 4 in 12.90 m
Turning radius, outside, axles extended	30 ft 6 in 9.30 m	32 ft 1 in 9.78 m
Turning radius, inside, axles extended	16 ft 10 in 5.13 m	18 ft 6 in 5.62 m
Turntable rotation (degrees)		360° continuous
Platform rotation		160°
Maximum allowable side force (ANSI and CSA)		150 lbs 667 N
Maximum allowable side force (CE)		90 lbs 400 N
Controls		12V DC proportional

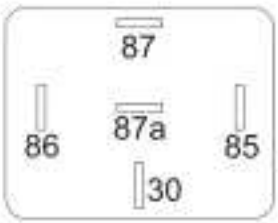
Platform dimensions	
Length	60 in 152 cm
Width	30 in 76 cm

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

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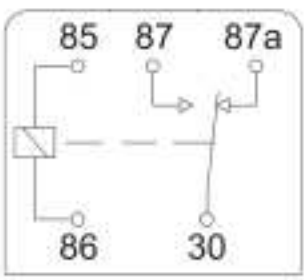
3 Connect the leads from an ohmmeter or continuity tester to each terminal combination and check for continuity. Terminals 85 and 86 represent the coil and should not be tested in any other combination.

Test	Desired result
terminal 85 to 86	85 to 95 Ω
terminal 87 to 87a & 30	no continuity (infinite Ω)
terminal 87a to 30	continuity (zero Ω)



4 Connect 12V DC to terminal 85 and a ground wire to terminal 86, then test the following terminal combinations.

Test	Desired result
terminal 87 to 87a	no continuity (infinite Ω)
terminal 87a to 30	no continuity (infinite Ω)
terminal 87 to 30	continuity (zero Ω)



Control Relay Schematic

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Fault Codes

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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-3200 and S-3800 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/burn 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.

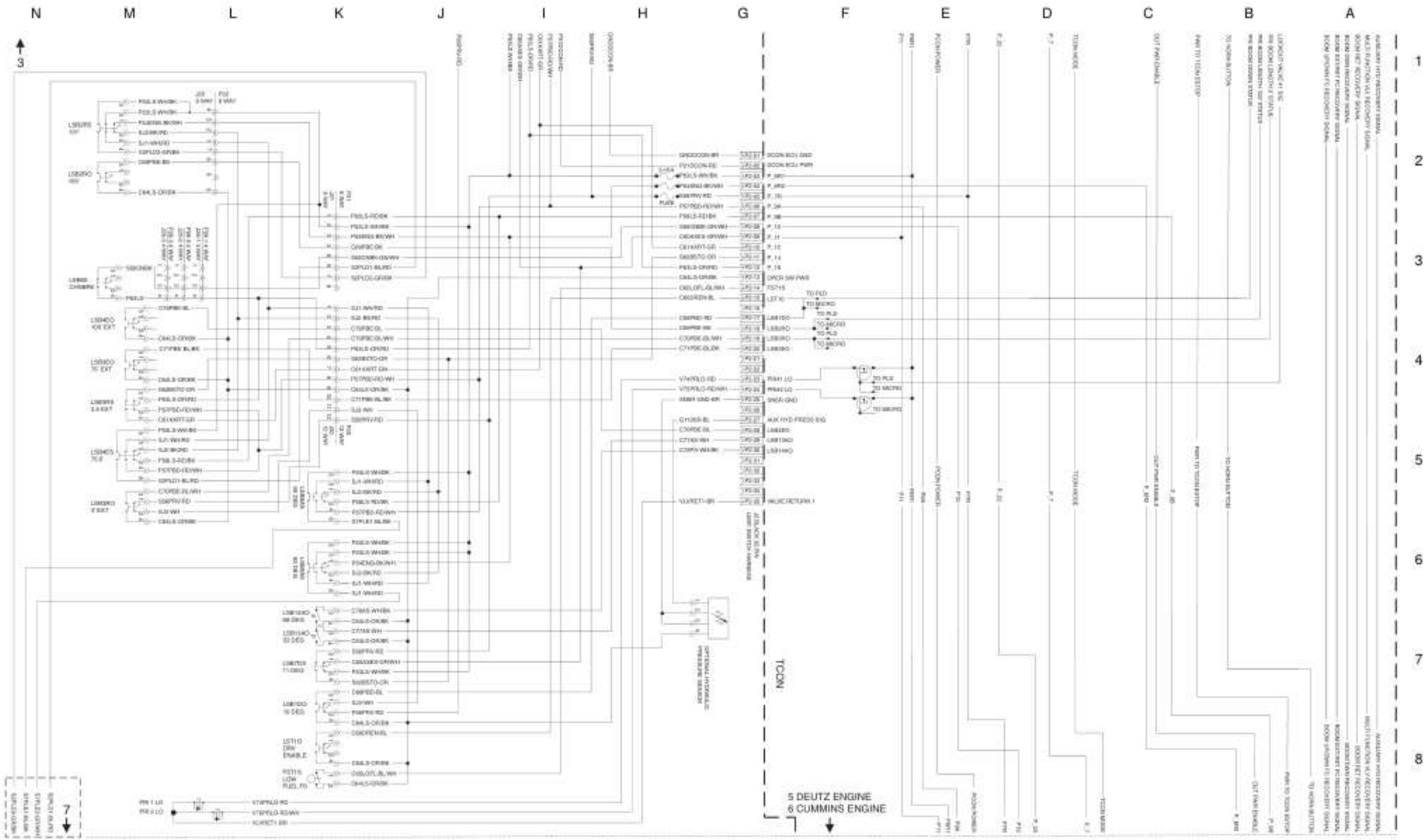
Note: Perform all troubleshooting on a firm, level surface.

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

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REV A

Electrical Schematic, View 4
S3800 Models



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