A TEREX COMPANY

Service and Repair Manual

Serial Number Range

GS™-2669
GS™-3369
GS™-4069

from GS6911-101
from GS6916F-7897
to GS6916F-10499
from GS69F-10500

This manual includes:
Repair procedures
Fault Codes
Electrical and
Hydraulic Schematics

For detailed maintenance procedures, refer to the appropriate Maintenance Manual for your machine.

Part No. 1272219GT
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Specifications

Hydraulic Component Specifications

Drive Pump	
Type	gear pump
Displacement per revolution	1.0 cu in 16 cc
Flow rate @ 3100 rpm	13 gpm 48 L/min
Hydraulic tank return filter	10 micron with 25 psi / 1.7 bar bypass
Function manifold	
System relief valve pressure, maximum	3500 psi 241 bar
Lift relief valve pressure GS-2669 RT	3100 psi 214 bar
Lift relief valve pressure GS-3369 RT	2900 psi 200 bar
Lift relief valve pressure GS-4069 RT	2850 psi 197 bar
Oscillate relief valve pressure	3300 psi 228 bar
Steer flow regulator	2 gpm 7.6 L/min
Lift / Outrigger flow regulator	6 gpm 23 L/min
Oscillate flow regulator	1 gpm 4 L/min
Traction Manifold	
Traction relief valve pressure	2500 psi 172 bar
Generator manifold	
Relief valve pressure	2700 psi 186 bar
Flow rate	7 gpm 26 L/min
Drive motors	
Displacement, fixed (steer end)	22.9 cu in 375 cc
Displacement, variable (non-steer end)	0.54 - 1.53 cu in 8.8 - 25 cc

Manifold Component Specifications

Plug torque	
SAE No. 2	36 in-lbs / 4 Nm
SAE No. 4	10 ft-lbs / 13 Nm
SAE No. 6	14 ft-lbs / 19 Nm
SAE No. 8	38 ft-lbs / 51 Nm
SAE No.10	41 ft-lbs / 55 Nm
SAE No. 12	56 ft-lbs / 76 Nm

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Fault Codes

ID	System Ready	LED	Condition	Result	Solution
50	DRIVE COIL 2 FAULT	Red	Drive coil 2 (Y1A) fault.	High speed drive function will not operate.	Troubleshoot coil OR wiring.
51	DRIVE COIL 3 FAULT	Red	Drive coil 3 (Y1B) fault.	High speed drive function will not operate.	Troubleshoot coil OR wiring.
52	FUNC PROP COIL FAULT	Red	Proportional coil (Y9) fault.	Lift and outrigger functions are disabled.	Troubleshoot coil OR wiring.
54	UP COIL FAULT	Red	Up coil (Y8) fault.	Platform up function inhibited.	Troubleshoot coil OR wiring.
55	DOWN COIL FAULT	Red	Down coil (Y7) fault.	Platform down function inhibited.	Troubleshoot coil OR wiring.
56	RIGHT TURN COIL FAULT	Red	Right turn coil (Y3) fault.	Steer right function inhibited.	Troubleshoot coil OR wiring.
57	LEFT TURN COIL FAULT	Red	Left turn coil (Y4) fault.	Steer left function inhibited.	Troubleshoot coil OR wiring.
58	BRAKE COIL FAULT	Red	Brake release coil (Y2) fault.	Brakes will not release.	Troubleshoot coil OR wiring.
60	FORWARD 1 COIL FAULT	Red	Forward 1 coil (Y6) fault.	Drives slow or not at all when elevated.	Troubleshoot coil OR wiring.
61	REVERSE 1 COIL FAULT	Red	Reverse 1 coil (Y5) fault.	Drives slow or not at all when elevated.	Troubleshoot coil OR wiring.
62	FORWARD 2 COIL FAULT	Red	Forward 2 coil (Y6A) fault.	Drives slow or not at all when elevated.	Troubleshoot coil OR wiring.
63	REVERSE 2 COIL FAULT	Red	Reverse 2 coil (Y5A) fault.	Drives slow or not at all when elevated.	Troubleshoot coil OR wiring.
64	OSCILLATE LEFT COIL	Red	Value to low or Value to high.	Elevated drive and platform up disabled.	Troubleshoot oscillate left valve coil (Y93) or wiring.
65	OSCILLATE RIGHT COIL	Red	Value to low or Value to high.	Elevated drive and platform up disabled.	Troubleshoot oscillate right valve coil (Y94) or wiring.
66	LOW OIL PRESSURE	Red	Low oil pressure.	Engine stops.	Check the engine oil level OR check wiring from the oil pressure switch to ECM OR replace the oil pressure switch.

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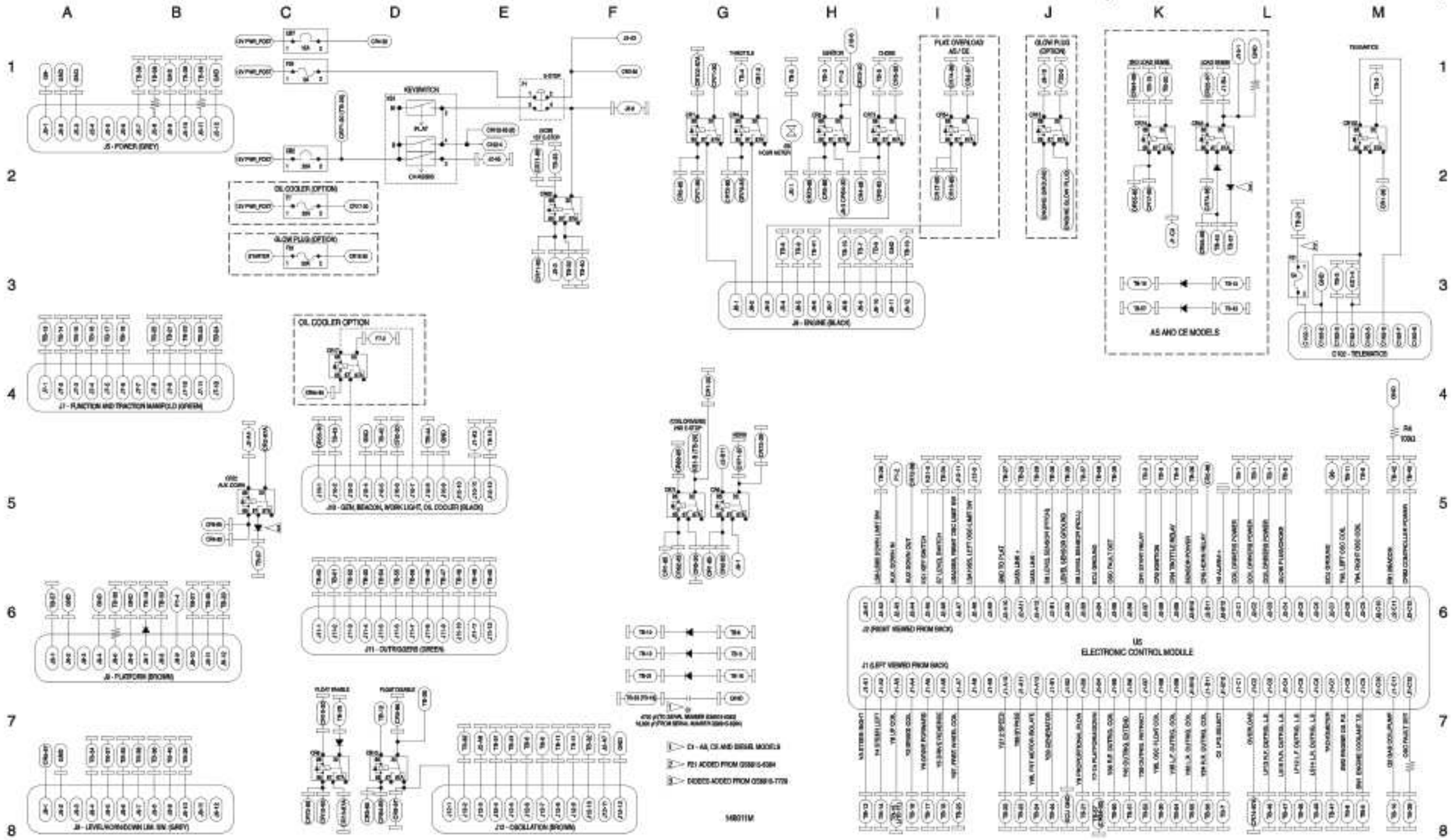
Electrical Schematic, GS-4069 RT, (AS / CE)
Diesel Models (from serial number GS6916F-9068)



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Control Panel Circuit Diagram (from serial number GS6914-6019)



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