Genie®
A TEREX COMPANY

Service and Repair Manual

Serial Number Range

GS-2669 BE
from GS6914-5000

GS-3369 BE
from GS6916F-7897 to GS6916F-10499

GS-4069 BE
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.

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Specifications

Hydraulic Component Specifications

Drive Pump	
Type	gear pump
Displacement	0.4 cu in 6 cc
Flow rate @ 3100 rpm	6 gpm 22.7 L/min
Function manifold	
System relief valve pressure, maximum	3500 ps 241 bari
Lift relief valve pressure GS-2669 BE	3100 psi 214 bar
Lift relief valve pressure GS-3369 BE	2900 psi 200 bar
Lift relief valve pressure GS-4069 BE	2850 psi 197 bar
Steer relief valve pressure	1500 psi 103 bar
Oscillate relief valve pressure	3300 psi 228 bar
Steer flow regulator	2 gpm 7.6 L/min
Oscillate flow regulator	1 gpm 4 L/min

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

Battery Specifications

T105	
Type	6V DC
Quantity	8
Capacity	225 AH
Reserve capacity @ 25A rate	447 minutes
Reserve capacity @ 75A rate	115 minutes
Weight, each	63 lbs / 29 kg
Weight (tray with batteries)	504 lbs / 229 kg

T145	
Type	6v DC
Quantity	8
Capacity	260 AH
Reserve capacity @ 25A rate	530 minutes
Reserve capacity @ 75A rate	145 minutes
Weight, each	72 lbs / 33 kg
Weight (tray with batteries)	576 lbs / 261 kg

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Fault Codes

About This Section

When a malfunction is discovered, the fault code charts in this section will help a service professional pinpoint the cause of the problem. To use this section, basic hand tools and certain pieces of test equipment are required — voltmeter, ohmmeter, pressure gauges.

Definitions

GSDS – Genie SmartLink™ Diagnostic System

ECM – Electronic Control Module

DCON - Drive Controller

GCON – Ground Controls

PCON – Platform Controls

OIC – Operational Indicator Codes

DTC – Diagnostic Trouble Codes

GCON LCD Diagnostic Readout



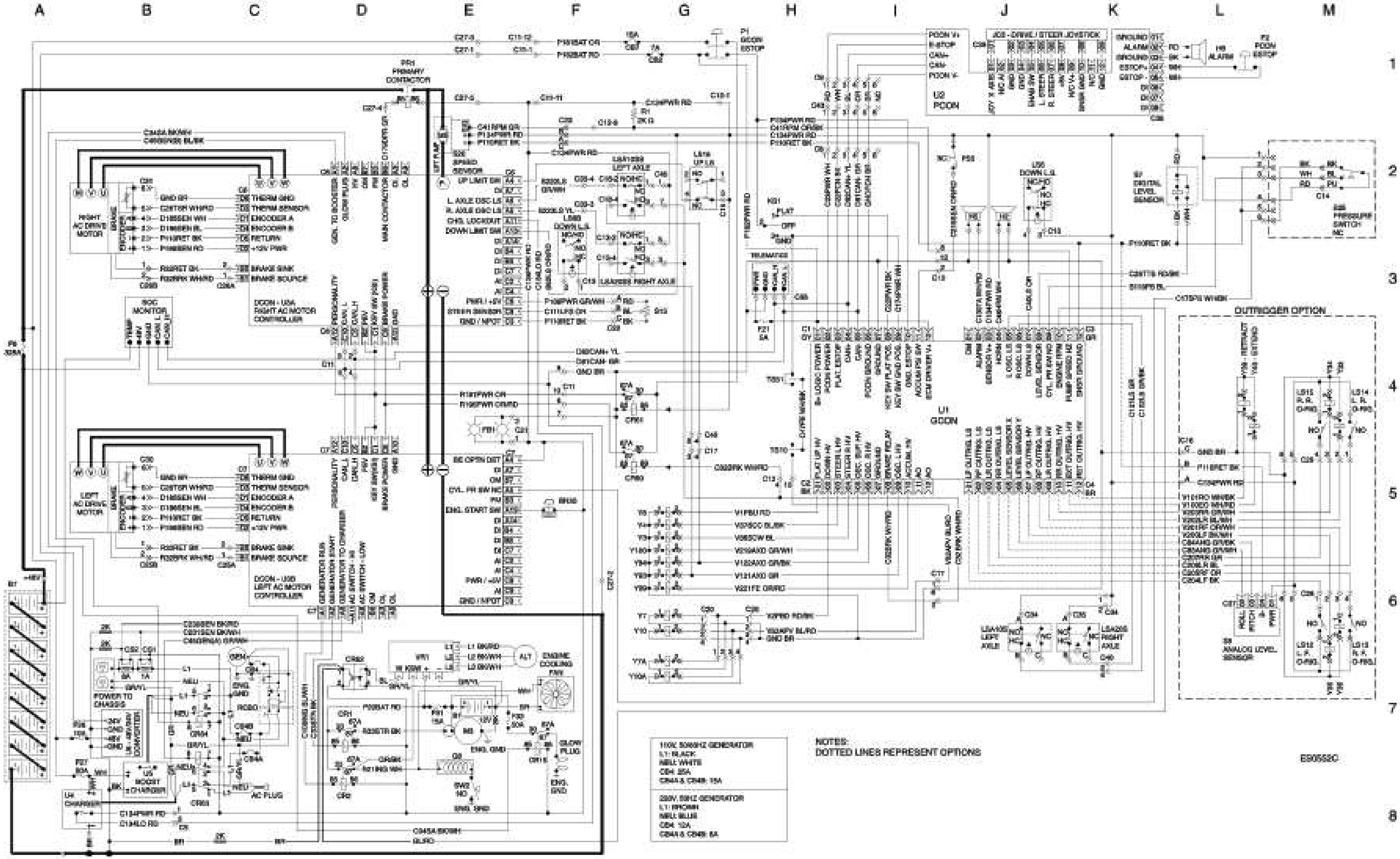
The diagnostic readout displays alpha numeric codes that provide information about the machine operating status and about malfunctions.

The codes listed in the Diagnostic Trouble Code Charts describe malfunctions and can aid in troubleshooting the machine by pinpointing the area or component affected.

Models are listed below each code to assist in the troubleshooting codes for a specific model.

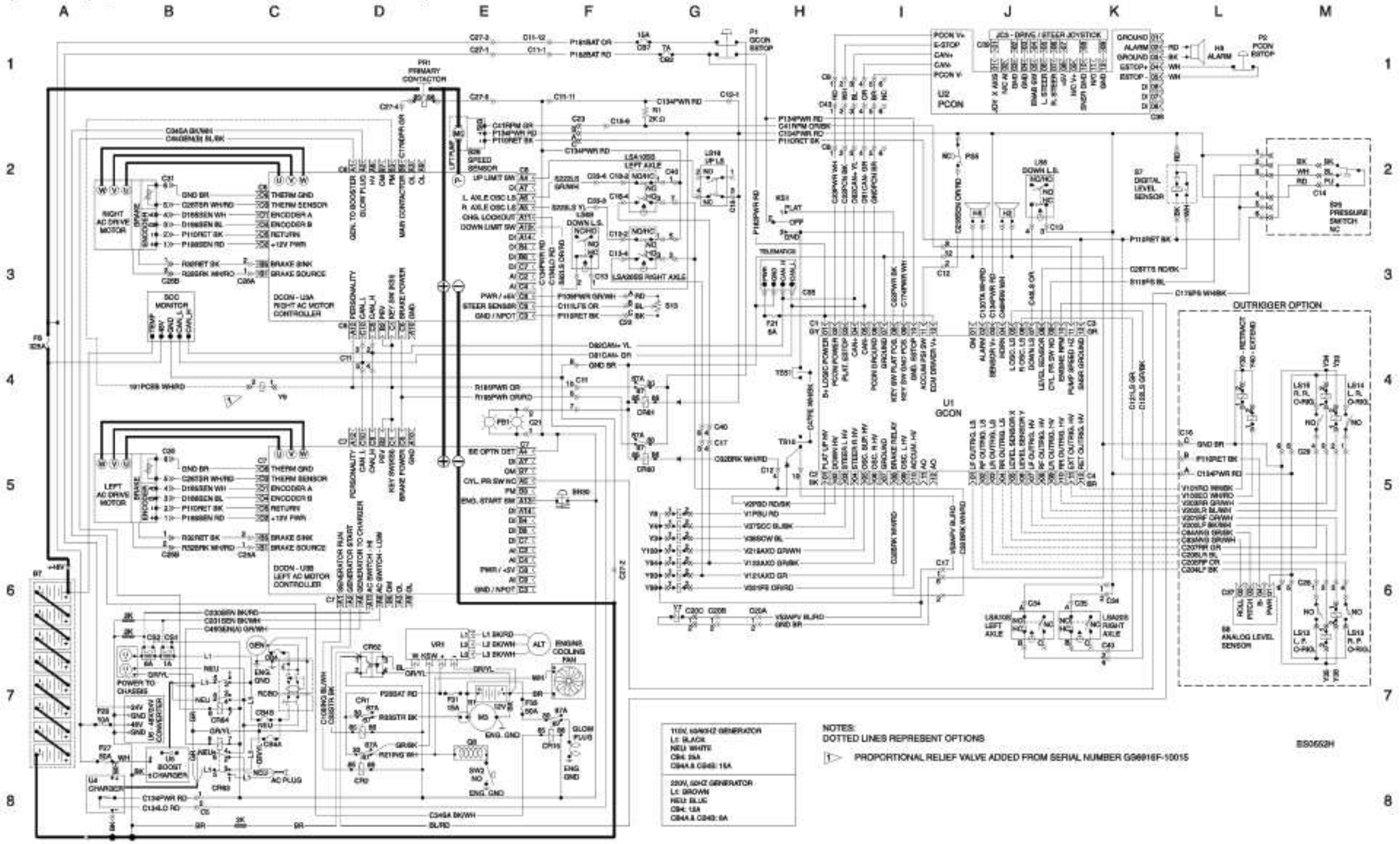
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Electrical Schematic, GS-4069 BE with 2 Speed Lift, (AS / CE) (to serial number GS6915-6385)



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Electrical Schematic, GS-2669 BE and GS-3369 BE with Proportional Lift, (AS / CE) (from serial number GS6915-6989)



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