

Genie®

Service Manual

Refer to inside cover for serial number information

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GS™-2032
GS™-2632

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REV A SPECIFICATIONS

Manifold Component Specifications

Plug torque	
SAE No. 2	50 in-lbs / 6 Nm
SAE No. 4	13 ft-lbs / 18 Nm
SAE No. 6	18 ft-lbs / 24 Nm
SAE No. 8	50 ft-lbs / 68 Nm
SAE No. 10	55 ft-lbs / 75 Nm
SAE No. 12	75 ft-lbs / 102 Nm

Valve Coil Resistance	
Description	**Specification**
Solenoid valve, N.C. 2 position 2 way 20V DC (schematic item D, before serial number 28937)	23 - 25Ω
Solenoid valve, N.C. 2 position 2 way 20V DC with diode (schematic item D, after serial number 28936)	23 - 25Ω
Solenoid valve, 2 position 2 way N.O. 20V DC with diode (schematic items AI, BK, CI and CL)	25 to 27Ω
Solenoid valve, 2 position 4 way 20V DC with diode (schematic items AH, AJ, BI, BL, CJ and CN)	18 to 20Ω
Solenoid valve, 3 position 4 way 20V DC with diode (schematic items AK, BJ and CK)	18 to 20Ω
Solenoid valve, 3 position 4 way 20V DC with diode (schematic items AG, BH and CH)	25 to 27Ω

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TROUBLESHOOTING FLOW CHARTS

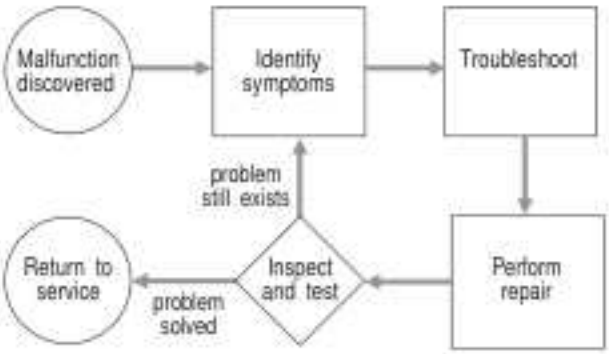
About This Section

When a malfunction is discovered, the flow 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.

The location of terminals mentioned in this section can be found on the appropriate electrical or hydraulic schematics provided in Section 6, *Schematics*.

Since various degrees of a particular function loss may occur, selecting the appropriate flow chart may be troublesome. When a function will not operate with the same speed or power as a machine in good working condition, refer to the flow chart which most closely describes the problem.

General Repair Process





LED Diagnostic Readout

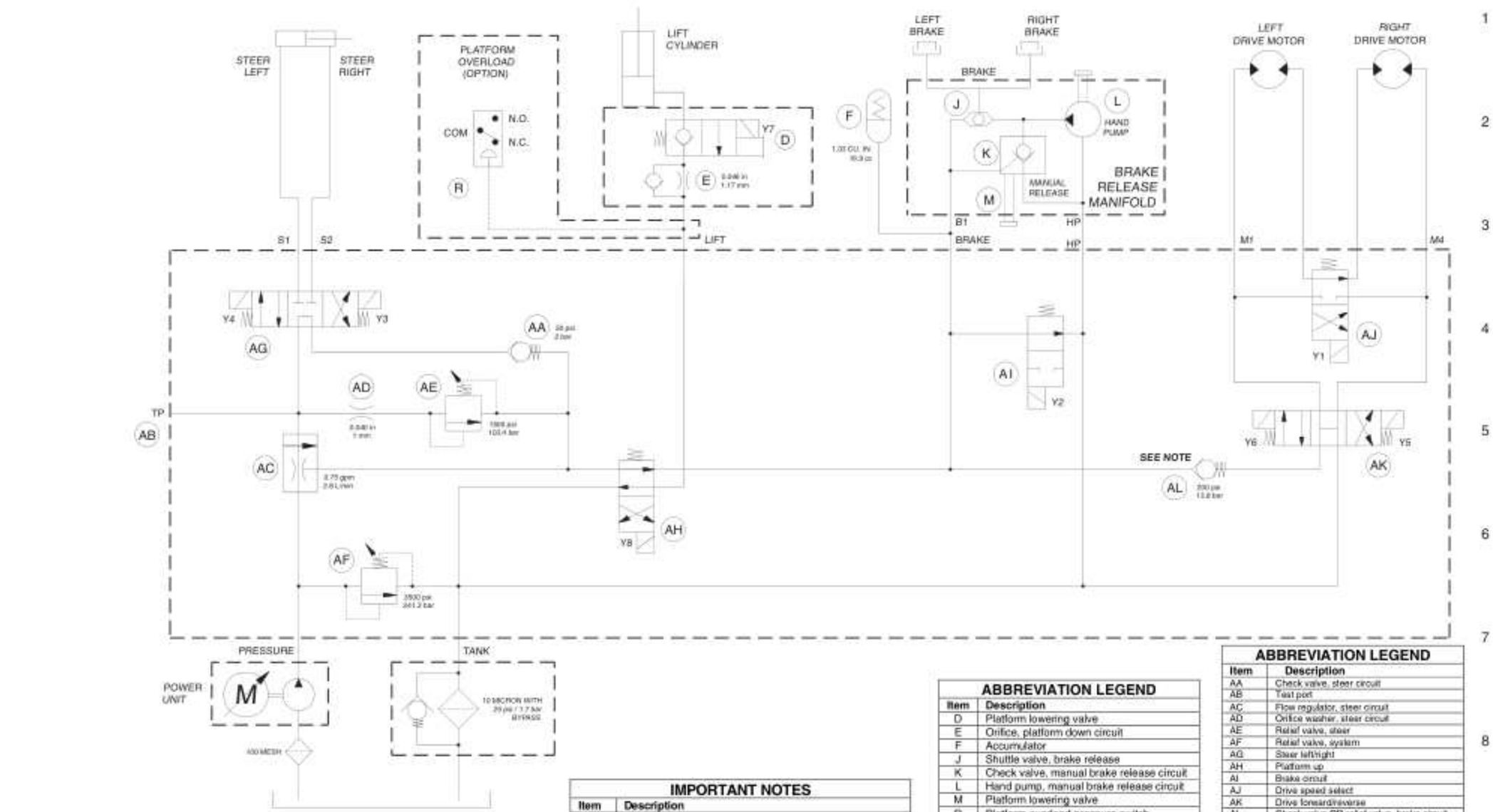
The diagnostic readout displays numerical codes that provide information about the machine operating status and about malfunctions. The dot to the right of the numbers will blink during normal operation codes and remain on with fault codes.

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

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REV B

Hydraulic Schematic
(from serial number 17408 to 36100)



IMPORTANT NOTES

Item	Description
AL	Changed to 130 psi / 9 bar relief valve after serial number 17481

ABBREVIATION LEGEND

Item	Description
D	Platform lowering valve
E	Orifice, platform down circuit
F	Accumulator
J	Shuttle valve, brake release
K	Check valve, manual brake release circuit
L	Hand pump, manual brake release circuit
M	Platform lowering valve
R	Platform overload pressure switch

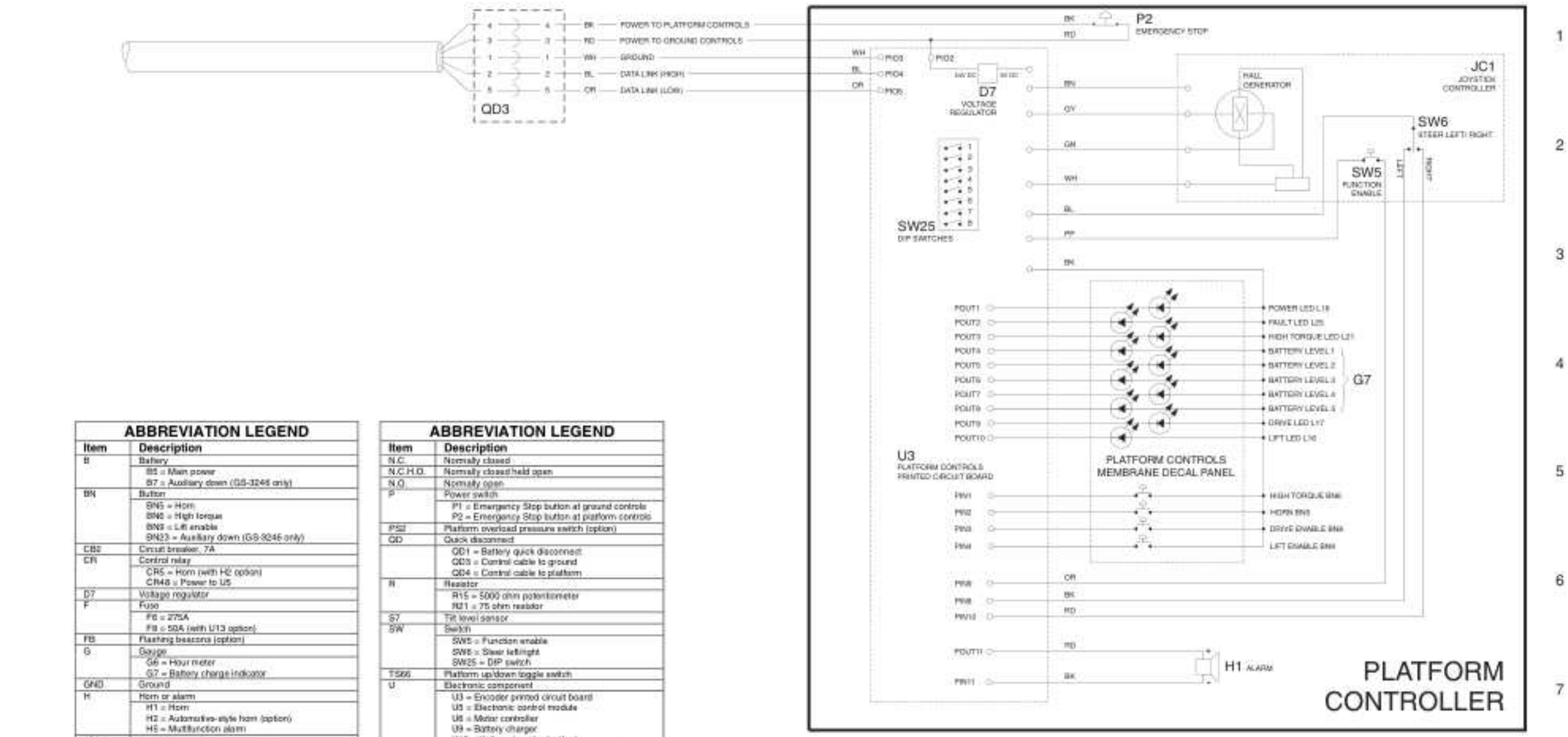
ABBREVIATION LEGEND

Item	Description
AA	Check valve, steer circuit
AB	Test port
AC	Flow regulator, steer circuit
AD	Orifice washer, steer circuit
AE	Relief valve, steer
AF	Relief valve, system
AG	Steer left/right
AH	Platform up
AI	Brake circuit
AJ	Drive speed select
AK	Drive forward/reverse
AL	Check valve OR relief valve, brake circuit

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REV A

Electrical Schematic
(from serial number 49300 to 59999)



ABBREVIATION LEGEND

Item	Description
B	Battery B5 = Main power B7 = Auxiliary down (GS-3246 only)
BN	Button BN5 = Horn BN6 = High torque BN8 = Lift enable BN23 = Auxiliary down (GS-3246 only)
CB2	Circuit breaker, 7A
CR	Control relay CR5 = Horn (with H2 option) CR48 = Power to U5
D7	Voltage regulator
F	Fuse F6 = 275A F8 = 50A (with U13 option)
FB	Flashing beacons (option)
G	Gauge G6 = Hour meter G7 = Battery charge indicator
GND	Ground
H	Horn or alarm H1 = Horn H2 = Automotive-style horn (option) H5 = Multifunction alarm
JC1	Joystick controller
KS1	Key switch
L	LED or light L16 = Lift L17 = Drive L19 = Power L21 = High Torque L25 = Fault
LS	Limit switch LS2 = Platform up (GS-3246 only) LS6 = Platform down LS7 = Pothole LS8 = Pothole
M5	Hydraulic power unit

ABBREVIATION LEGEND

Item	Description
N.C.	Normally closed
N.C.H.O.	Normally closed held open
N.O.	Normally open
P	Power switch P1 = Emergency Stop button at ground controls P2 = Emergency Stop button at platform controls
PS2	Platform overload pressure switch (option)
QD	Quick disconnect QD1 = Battery quick disconnect QD3 = Control cable to ground QD4 = Control cable to platform
R	Resistor R15 = 5000 ohm potentiometer R21 = 75 ohm resistor
S7	Tilt level sensor
SW	Switch SW5 = Function enable SW6 = Steer left/right SW25 = DIP switch
TS66	Platform up/down toggle switch
U	Electronic component U3 = Encoder printed circuit board U5 = Electronic control module U6 = Motor controller U9 = Battery charger U13 = Voltage inverter (option) U27 = 0.034 ohm inductor, noise suppression
Y	Valve coil Y1 = Parallel Y1A = High speed bypass (option) Y2 = Brake release Y3 = Steer right Y4 = Steer left Y5 = Drive reverse Y6 = Drive forward Y7 = Platform down Y8 = Platform up Y9 = Platform down (GS-3246 only) Y10 = Auxiliary down (GS-3246 only) Y11 = Auxiliary down (GS-3246 only)

WIRE COLOR LEGEND

Color	Description	Color	Description
BL	Blue	RD	Red
BK	Black	WH	White
BN	Brown	YL	Yellow
GN	Green	WH/BL	White/Blue
GY	Gray	WH/BK	White/Black
OR	Orange	WH/RD	White/Red
PP	Purple	WH/YL	White/Yellow

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