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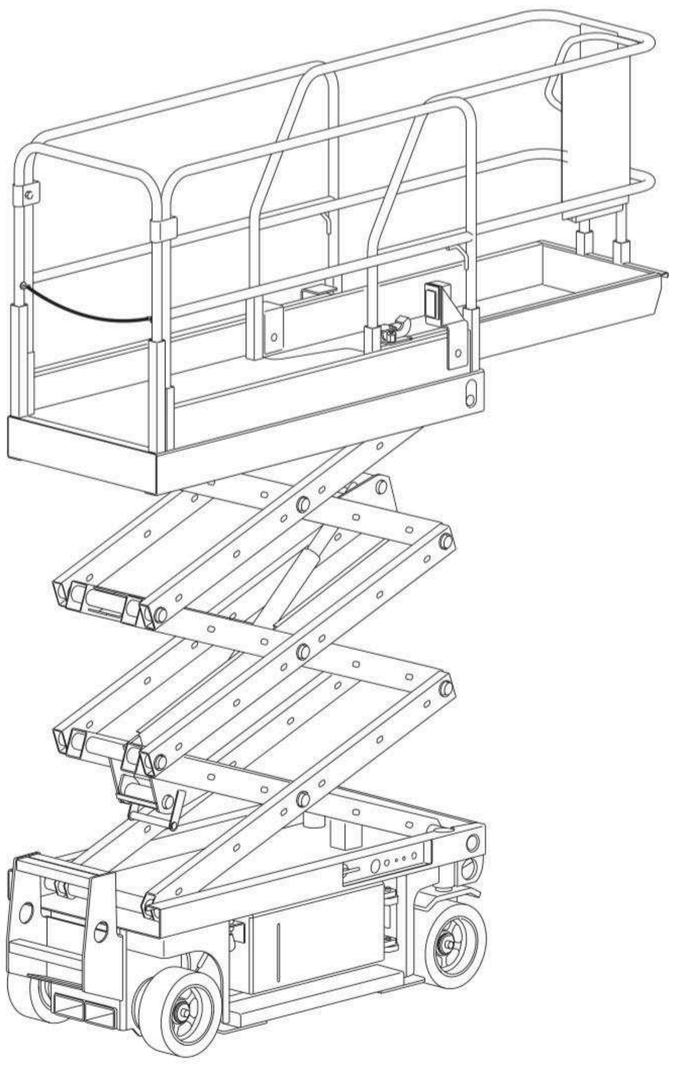
Genie®

A TEREX COMPANY

Genie® GS™-2032

Service Manual

(before serial number 17408)



First Edition, Third Printing
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Part No. 46326

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SPECIFICATIONS

Performance Specifications

Drive speeds (maximum)		
Stowed, maximum	2.2 mph 40 ft / 12.4 sec	3.5 km/h 12.2 m / 12.4 sec
Platform raised, maximum	0.5 mph 40 ft / 54.5 sec	0.8 km/h 12.2 m / 54.5 sec
Gradeability		30%
Function speed, maximum from platform controls		
Platform up		29 to 31 seconds
Platform down		25 to 27 seconds

Hydraulic Specifications

Hydraulic fluid	Dexron equivalent
Lift pump	
Type:	gear
Displacement per revolution	.244 cu in 4 cc
Displacement (2500 psi/172 bar)	4 gpm 15 L/min
Hydraulic tank return line filter	10 micron with 25 psi (1.7 bar) bypass
Function manifold	
System relief valve pressure	3500 psi 241.3 bar
Steer relief valve pressure	1000 psi 69 bar

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Fault Code Chart

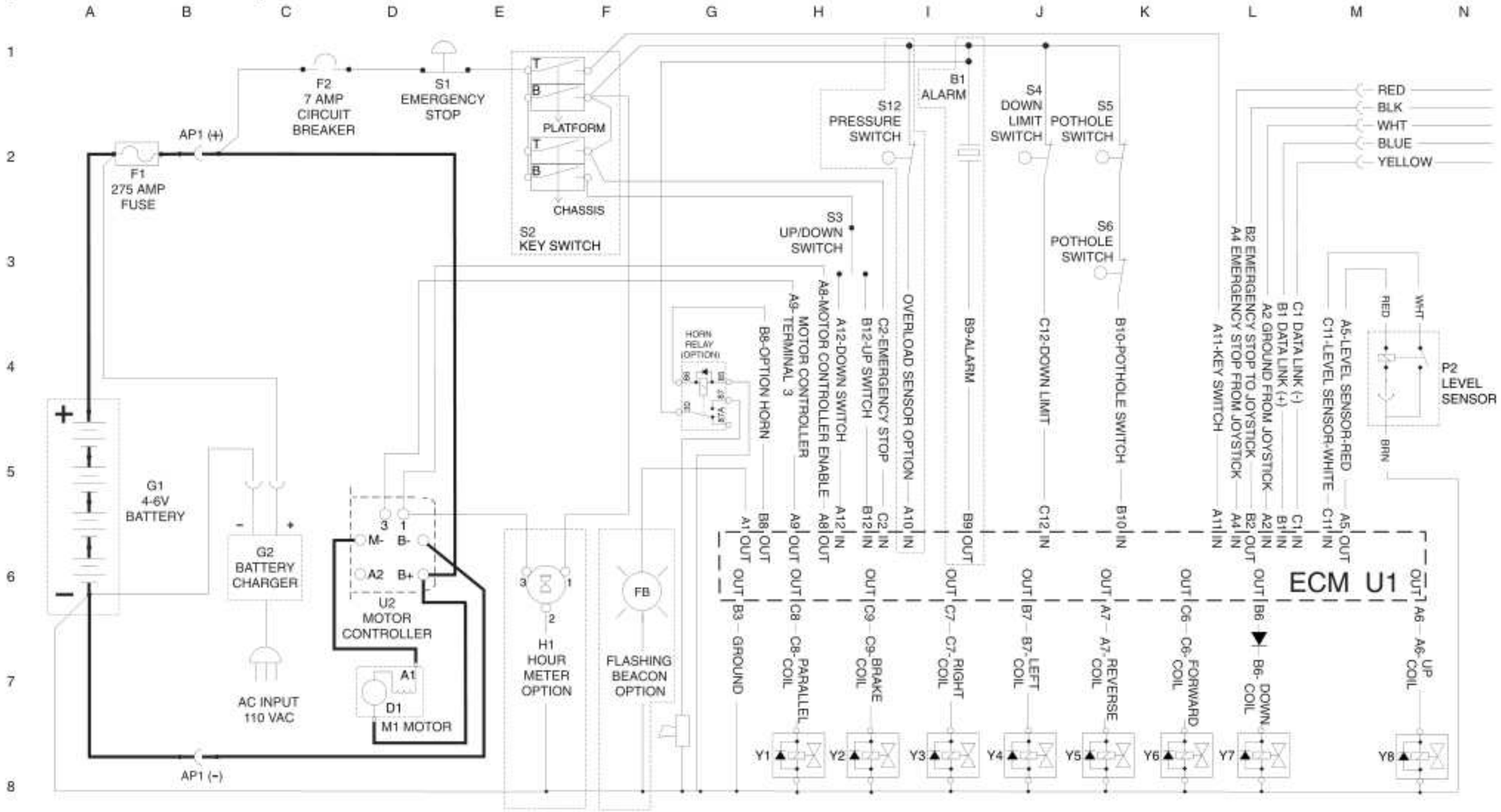
After Serial Number 17407

Fault Code	Problem	Possible Causes	Solution
— —			Normal operation
01	Machine will not operate. ECM cannot be reset.	EPROM not programmed.	Replace ECM.
02	Platform ECM error.	Defective control cable OR platform controls.	Troubleshoot cable OR platform controls.
03	Undefined platform DIP switch settings.	DIP switch settings incorrect.	Correct DIP switch settings.
12	Chassis up/down switch closed at start up.	Malfunctioning up/down switch.	Troubleshoot up/down switch.
18	Pothole guard failure.	Malfunctioning pothole switch OR obstruction in pothole guard linkage.	Troubleshoot pothole switch OR remove obstruction.
42	Platform left turn switch closed at start up.	Malfunctioning steer left microswitch.	Troubleshoot steer left microswitch.
43	Platform right turn switch closed at start up.	Malfunctioning steer right microswitch.	Troubleshoot steer right microswitch.
45	Platform lift enable switch closed at start up.	Malfunctioning lift enable switch.	Troubleshoot lift enable switch.
46	Platform drive enable switch closed at start up.	Malfunctioning drive enable switch.	Troubleshoot drive enable switch.
47	Platform joystick off neutral at start up.	Joystick potentiometer not centered.	Verify potentiometer setting.
52	Forward coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
53	Reverse coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
54	Up coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
55	Down coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
56	Right coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
57	Left coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
58	Brake coil error.	Malfuctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
68	Low Voltage.	Batteries discharged.	Charge batteries.

Notes

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Electrical Schematic (after serial number 17407)

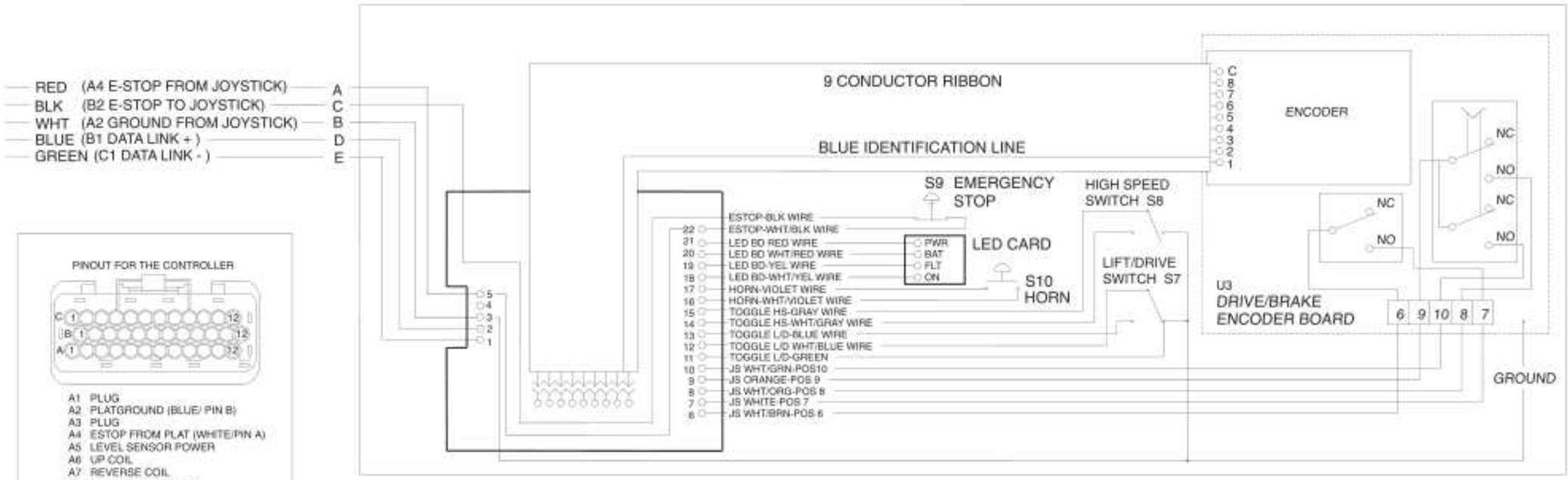


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Electrical Schematic (from serial number 8932 to 17407)

N M L K J I H G F E D C B A

PLATFORM CONTROL BOX



PINOUT FOR THE CONTROLLER



A1 PLUG
A2 PLATGROUND (BLUE/ PIN B)
A3 PLUG
A4 ESTOP FROM PLAT (WHITE/PIN A)
A5 LEVEL SENSOR POWER
A6 UP COIL
A7 REVERSE COIL
A8 MOTOR CONTACTOR
A9 MOTOR CONTROLLER
A10 JUMPER TO B4
A11 KEY SWITCH TO PLAT
A12 DOWN

B1 PLAT DATA + (BLACK/PIN D)
B2 ESTOP TO PLAT (WHITE/PIN C)
B3 GROUND
B4 JUMPER TO A10
B5 PLUG
B6 DOWN COIL
B7 LEFT COIL
B8 HORN OPTION
B9 ALARM
B10 POTHOLE LIMIT SWITCH
B11 PLUG
B12 UP

C1 PLAT DATA - (YELLOW/PIN E)
C2 CHASSIS ESTOP
C3 PLUG
C4 PLUG
C5 JUMPER TO C10
C6 FORWARD COIL
C7 RIGHT COIL
C8 PLUG
C9 BRAKE COIL
C10 JUMPER TO C5
C11 LEVEL SENSOR SIGNAL
C12 DOWN LIMIT SWITCH

LEGEND

DES	COMPONENT	DES	COMPONENT
AP1	ANDERSON PLUG	S8	HIGH SPEED SWITCH
B1	MULTIFUNCTION ALARM	S9	PLATFORM EMERG STOP
F1	275 AMP FUSE	S10	HORN BUTTON
F2	7 AMP CIRCUIT BREAKER	U1	CHASSIS CONTROLLER
G1	BATTERIES (4-6 VOLT)	U2	MOTOR CONTROLLER
G2	BATTERY CHARGER	U3	DRIVE/BRAKE ENCODER BOARD
H1	OPTIONAL HOUR METER	Y1	PARALLEL COIL
P2	LEVEL SENSOR	Y2	BRAKE COIL
S1	CHASSIS EMERGENCY STOP	Y3	RIGHT TURN COIL
S2	CHASSIS KEY SWITCH	Y4	LEFT TURN COIL
S3	CHASSIS UP/DOWN SWITCH	Y5	REVERSE COIIL
S4	DOWN LIMIT SWITCH	Y6	FORWARD COIL
S5	POTHOLE SWITCH	Y7	DOWN COIL
S6	POTHOLE SWITCH	Y8	UP COIL
S7	LIFT/DRIVE SELECTOR SWITCH		

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