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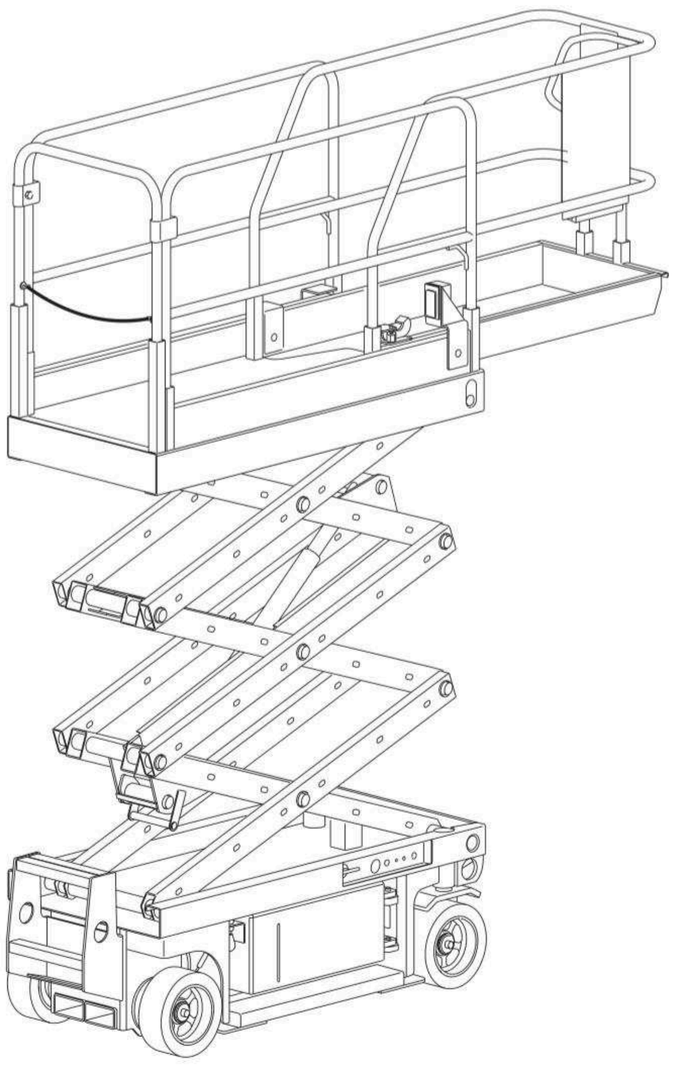
Genie®

A TEREX COMPANY

Genie GS-1530
Genie GS-1930

Service Manual

(before serial number 17408)



First Edition, Third Printing
Rev C2
Part No. 39528

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Table of Contents

Introduction

Important Information ii

Section One **Safety Rules**

General Safety Rules iii

Theory of Operation v

Section Two

Rev	Specifications	
D	Machine Specifications	2 - 1
D	Performance Specifications	2 - 2
D	Hydraulic Specifications	2 - 2
D	Hydraulic Hose and Fitting Torque Specifications	2 - 3

Section Three **Scheduled Maintenance Inspections**

Introduction ..... 3 - 1

Table A ..... 3 - 2

Table B ..... 3 - 2

Table C ..... 3 - 3

Table D ..... 3 - 3

Maintenance Inspection Report ..... 3 - 4

Section Four **Scheduled Maintenance Procedures**

Introduction ..... 4 - 1

A-1 Inspect the Operator's and Safety Manuals ..... 4 - 2

A-2 Inspect the Decals and Placards ..... 4 - 2

A-3 Inspect for Damage and Loose or Missing Parts ..... 4 - 3

A-4 Check the Hydraulic Oil Level ..... 4 - 3

A-5 Check for Hydraulic Leaks ..... 4 - 4

A-6 Test the Platform and Ground Controls ..... 4 - 4

A-7 Test the Manual Platform Lowering Operation ..... 4 - 5

A-8 Test the Tilt Sensor ..... 4 - 6

A-9 Test the Pothole Guards ..... 4 - 6

A-10 Test the Lift/Drive Select Switch (before serial number 17408) ..... 4 - 7

A-11 Perform 30 Day Service ..... 4 - 7

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TABLE OF CONTENTS

Section Four **Scheduled Maintenance Procedures,** continued

B-1 Check the Batteries ..... 4 - 8
B-2 Inspect the Electrical Wiring ..... 4 - 9
B-3 Inspect the Tires and Wheels (including castle nut torque) ..... 4 - 10
B-4 Test the Key Switch ..... 4 - 10
B-5 Test the Emergency Stop Buttons ..... 4 - 11
B-6 Test the Service Horn ..... 4 - 11
B-7 Test the Drive Brakes ..... 4 - 12
B-8 Test the Drive Speed - Stowed Position ..... 4 - 14
B-9 Test the Drive Speed - Raised Position ..... 4 - 14
B-10 Perform Hydraulic Oil Analysis ..... 4 - 15
B-11 Check the Electrical Contactor (before serial number 6901) ..... 4 - 15
C-1 Replace the Hydraulic Filter ..... 4 - 16
D-1 Test or Replace the Hydraulic Oil ..... 4 - 17

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TABLE OF CONTENTS

Section Five	Troubleshooting Flow Charts and Fault Codes	
Chart Number	Chart Title	Page
Introduction		5 - 1
	Fault Code Chart Before Serial Number 17408	5 - 3
	Normal Operation Code Chart	5 - 6
	Fault Code Chart After Serial Number 17407	5 - 8
1	All Functions Will Not Operate	5 - 9
2	Pump Motor Will Not Operate	5 - 12
3	All Functions Inoperative, Power Unit Starts and Runs	5 - 14
4	Ground Controls Inoperative, Platform Controls Operate Normally	5 - 15
5	Platform Controls Inoperative, Ground Controls Operate Normally	5 - 16
6	Platform Up Function Inoperative	5 - 18
7	Platform Down Function Inoperative	5 - 19
8	Steer Left Function Inoperative	5 - 21
9	Steer Right Function Inoperative	5 - 23
10	All Drive Functions Inoperative, All Other Functions Operate Normally	5 - 25
10A	Brake Release Function Inoperative	5 - 27
11	Drive Forward Function Inoperative	5 - 28
12	Drive Reverse Function Inoperative	5 - 29
13	Machine Will Not Drive At Full Speed	5 - 30
14	Machine Drives At Full Speed With Platform Raised	5 - 32

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SPECIFICATIONS REV D

Performance Specifications

Model	GS-1530	GS-1930
Drive speeds (maximum)		
Stowed, maximum	2.5 mph 40 ft / 10.7 sec	4 km/h 12.2 m / 10.7 sec
Platform raised, maximum	0.5 mph 40 ft / 55 sec	0.7 km/h 12.2 m / 55 sec
Gradeability		
GS-1530		30%
GS-1930		30%
Function speed, maximum from platform controls		
Platform up	16 to 18 seconds	16 to 18 seconds
Platform down	16 to 17 seconds	22 to 23 seconds

Hydraulic Specifications

Hydraulic fluid	Dexron equivalent
Lift pump	
Type: gear	
Displacement per revolution	.244 cu in 4 cc
Displacement	4 gallons per minute 15 liters per minute (2500 psi/172 bar)
Hydraulic tank return line filter	10 micron with 25 psi (1.7 bar) bypass

Function manifold

Model	GS-1530	GS-1930
System relief valve pressure		
GS-1530	3000 psi	207 bar
GS-1930	3500 psi	241 bar
Steer relief valve pressure	1200 psi	82.8 bar

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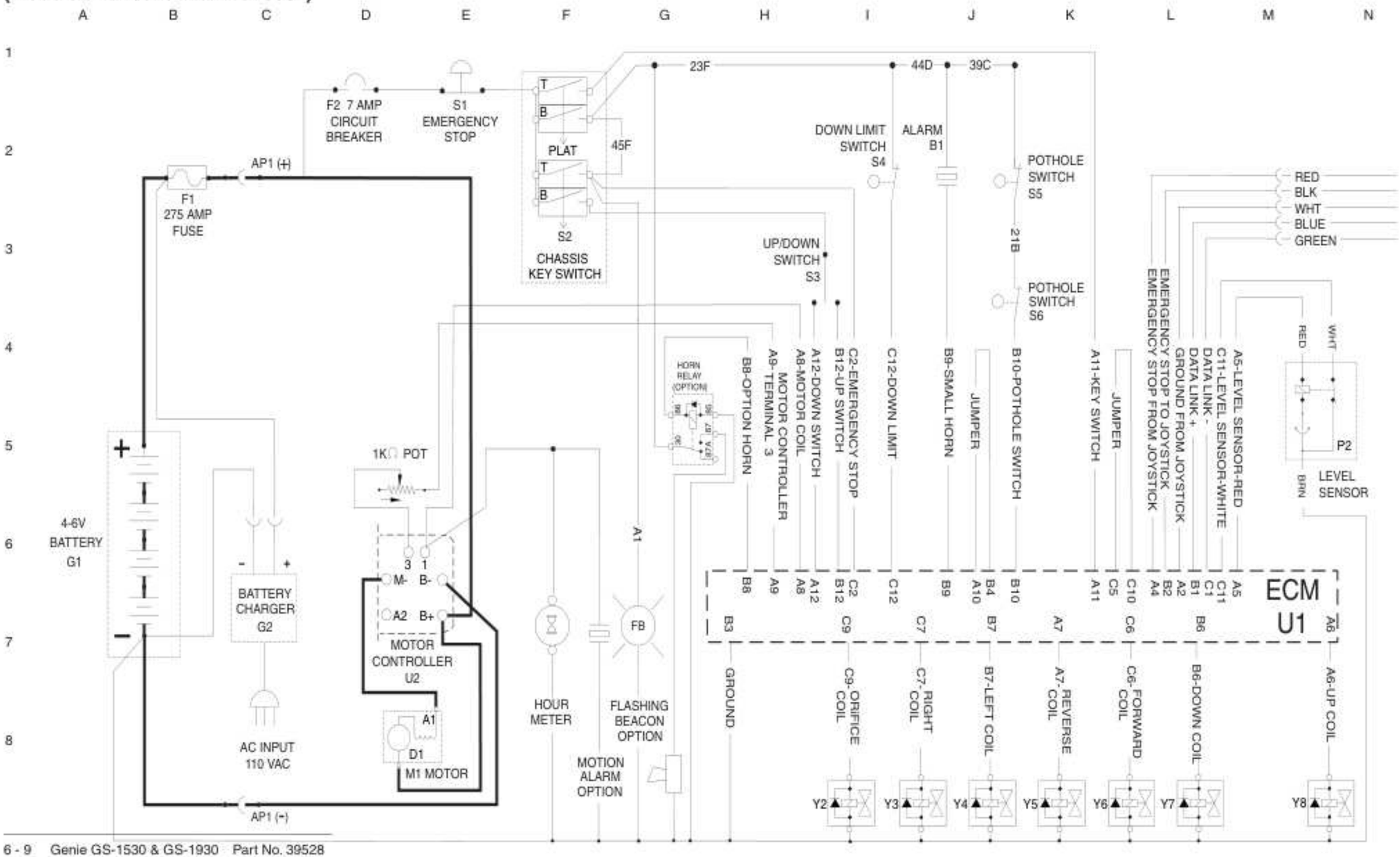
Fault Code Chart
(After Serial Number 17407)

Fault Code	Problem	Possible Causes	Solution
01	Machine will not operate. ECM cannot be reset.	EPROM not programmed.	Replace ECM.
02	Platform ECM error.	EPROM not programmed.	Replace ECM.
03	Undefined platform DIP switch settings.	DIP switch settings incorrect.	Correct DIP switch settings.
12	Chassis up/down switch closed at start up.	Malfunctioningup/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 (models after serial number 8931)



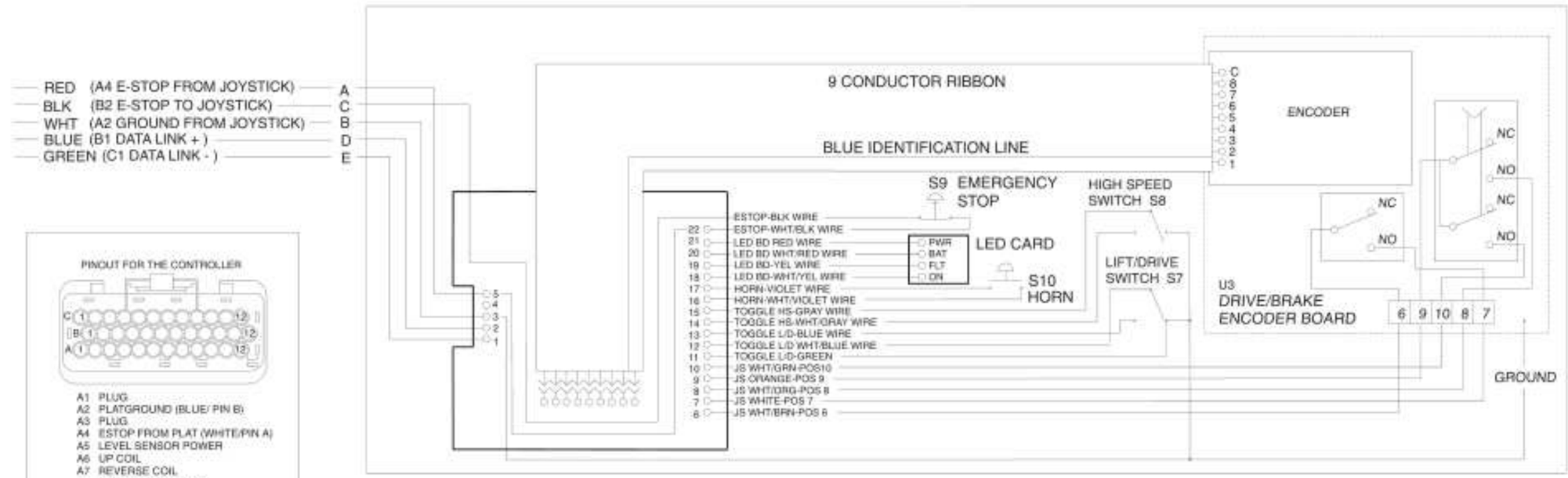
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Electrical Schematic (models after serial number 8931)

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

1 2 3 4 5 6 7 8

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
P1	OPTIONAL HOUR METER	Y2	ORIFICE COIL
P2	LEVEL SENSOR	Y3	RIGHT TURN COIL
S1	CHASSIS EMERGENCY STOP	Y4	LEFT TURN COIL
S2	CHASSIS KEY SWITCH	Y5	REVERSE COIIL
S3	CHASSIS UP/DOWN SWITCH	Y6	FORWARD COIL
S4	DOWN LIMIT SWITCH	Y7	DOWN COIL
S5	POTHOLE SWITCH	Y8	UP COIL
S6	POTHOLE SWITCH		
S7	LIFT/DRIVE SELECTOR SWITCH		

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