

Genie®

Service Manual

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Rev C
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Z™-34/22N
(before serial number 6291)

Z™-34/22 DC
(before serial number 5427)

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Specifications

Machine Specifications

Stowed dimensions	Z-34/22N	Z-34/22
Length	18 ft 7 in 5.7 m	18 ft 6 in 5.6 m
Width	4 ft 10 in 1.5 m	5 ft 8 in 1.7 m
Height	6 ft 7 in 2 m	6 ft 7 in 2 m
Machine Weight	11,500 lbs 5216 kg	10,500 lbs 4763 kg
Ground clearance	5 3/4 in 14.6 cm	6 in 15.2 cm
Platform dimensions		
Length	56 in	142 cm
Width	30 in	76 cm
Maximum capacity	500 lbs	227 kg
Operational dimensions		
Height, platform maximum	34 ft 4 in 10.5 m	34 ft 8 in 10.6 m
Height, working maximum	40 ft 4 in 12.3 m	40 ft 8 in 12.4 m
Horizontal reach, maximum	22 ft 4 in 6.8 m	22 ft 4 in 6.8 m
Turntable tailswing	0	0
Wheelbase	6 ft 2 in 1.9 m	6 ft 2 in 1.9 m
Turning radius (outside)	12 ft 9 in 3.9 m	13 ft 1 in 4 m
Turning radius (inside)	6 ft 1.8 m	5 ft 8 in 1.7 m
Turntable rotation (degrees)	355°	355°
Platform rotation (degrees)	160°	160°

Tires and wheels, Z-34/22		
Tire size		9-14.5 LT
Tire ply rating	Tread 8	Sidewall 6
Tire contact area	43.5 sq in	280 sq cm
Overall tire diameter	28 in	37 cm
Wheel diameter	14.5 in	45 cm
Wheel width	7 in	18 cm
Tires and wheels, Z-34/22N		
Tire size (solid rubber)		22 x 7 x 17.75 in 56 x 18 x 45 cm
Load range	7600 lbs	3447 kg
Tire contact area	35 sq in	226 sq cm
Overall tire diameter	22 in	56 cm
Wheel diameter	17.75 in	45 cm
Wheel width	7 in	18 cm
Wheel lugs		
Front		8 @ 5/8-18
Rear		9 @ 5/8-18
Lug nut torque	125 ft-lbs	169.5 Nm
Fluid Capacities		
Z-34/22 before serial number 809 and Z-34/22N before serial number 1116:		
Hydraulic tank capacity		5 gallons 18.9 liters
Hydraulic system (including tank)		7 gallons 26.5 liters
Z-34/22 after serial number 808 and Z-34/22N after serial number 1115:		
Hydraulic tank capacity		4 gallons 15.1 liters
Hydraulic system (including tank)		6 gallons 22.7 liters

Continuous improvement of our products is a Genie policy. Product specifications are subject to change without notice.

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Chart 29B

Motor Controller Fault Code 32: Main Contactor Welded

(Z-34/22 after serial number 1733 and Z-34/22N after serial number 2226)

Troubleshooting drive function faults may also be accomplished by using the hand-held pendant motor controller programmer (Genie part number 56303).

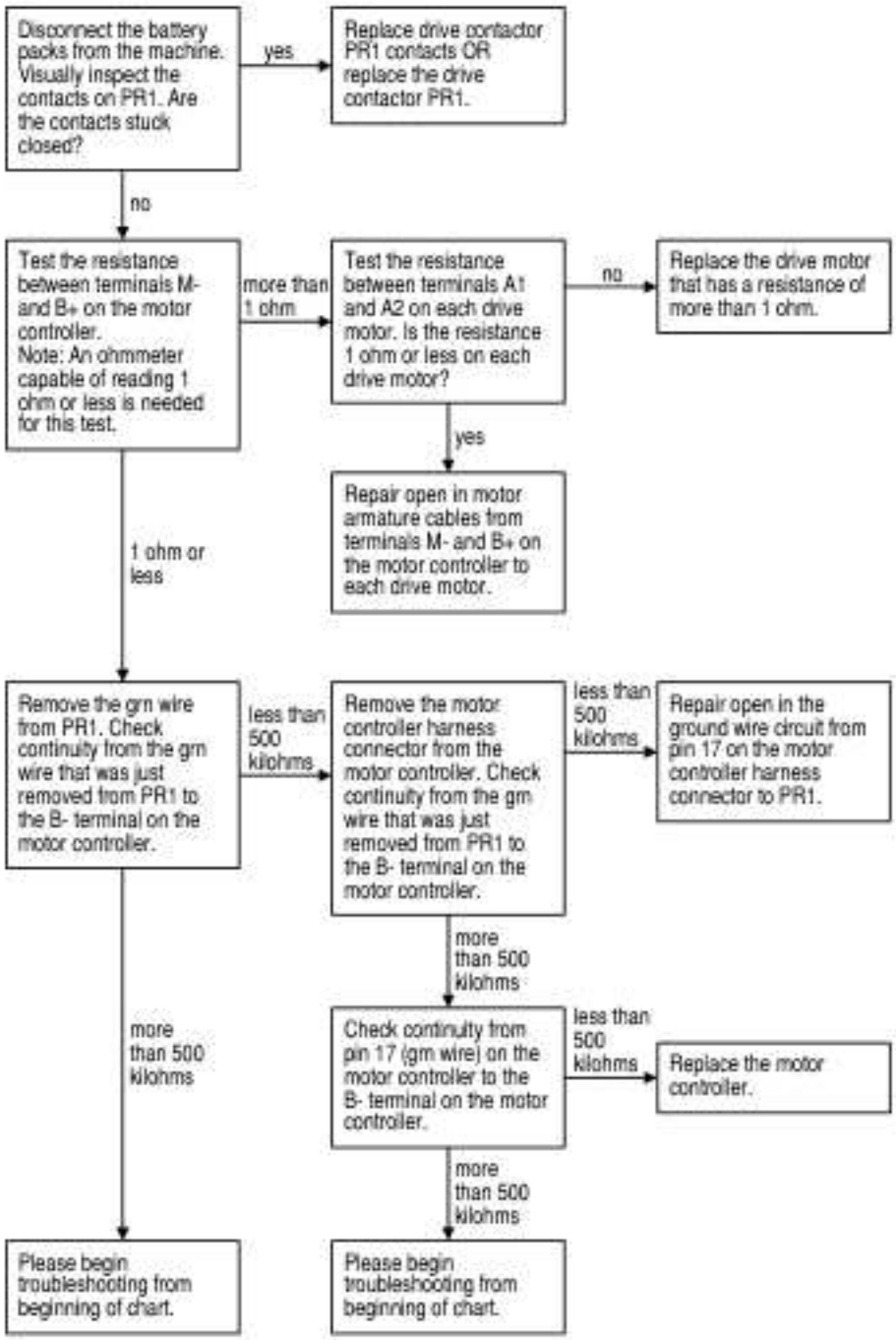
Be sure to check the motor controller status indicator light on the ground control box or on the motor controller. If the motor controller status indicator light is flashing a fault code, refer to the fault code chart at the beginning of this section.

Be sure the circuit breakers and fuses are not tripped or blown.

Be sure the battery packs are properly connected and fully charged.

Be sure the machine is not in the free wheel configuration.

Be sure the unit is in the fully stowed position with the boom located between the non-steer end tires.



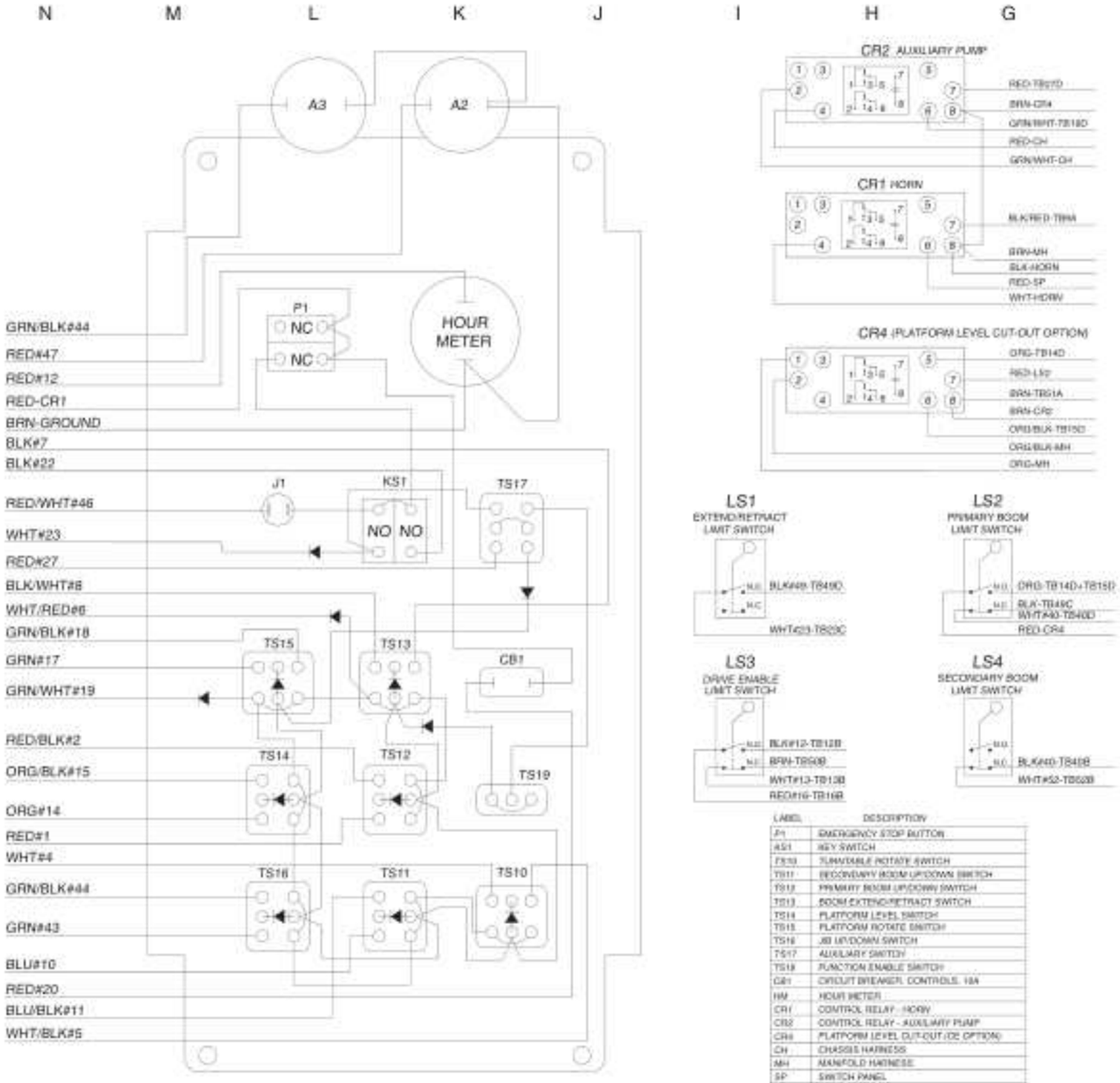
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Hydraulic Schematic
(Z-34/22 after serial number 2900)
(Z-34/22N after serial number 3532)



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Ground Control Panel Wiring Diagram
(Z-34/22 from serial number 153 to 1733)
(Z-34/22N from serial number 304 to 2226)



LABEL	DESCRIPTION
ES	EMERGENCY STOP BUTTON
KS1	KEY SWITCH
TS10	TURNTABLE ROTATE SWITCH
TS11	SECONDARY BOOM UP/DOWN SWITCH
TS12	PRIMARY BOOM UP/DOWN SWITCH
TS13	BOOM EXTEND/RETRACT SWITCH
TS14	PLATFORM LEVEL SWITCH
TS15	PLATFORM ROTATE SWITCH
TS16	JIB UP/DOWN SWITCH
TS17	AUXILIARY SWITCH
TS19	FUNCTION ENABLE SWITCH
CB1	CIRCUIT BREAKER, CONTROLS, 15A
HM	HOUR METER
CR1	CONTROL RELAY - HORN
CR2	CONTROL RELAY - AUXILIARY PUMP
CR4	PLATFORM LEVEL CUT-OUT (OE OPTION)
CH	CHASSIS HARNESS
MH	MANIFOLD HARNESS
SP	SWITCH PANEL
AZ	TRAVEL ALARM
AX	DESCENT ALARM
J1	BRAKE RELEASE JACK

WHT-LS2		52	WHT-LS4		LIMIT SWITCH
	BLK-TILT ALARM	51	BRN-2		GROUND CR4
	BRN-CH	50	BRN-LS3	BRN-SP	
BLK-LS1	BLK-LS2	49			LIMIT SWITCH
BLU/WHT-MH	BLU/WHT-1	48			HOUR METER
RED/WHT-TB46	RED-CH	47	RED-SP ALARM	ORG/BLK-TB41 ◄	BRAKE RELEASE N.C.
RED/WHT-TB47 ►	RED/WHT-TB29	46		RED/WHT-SP	BRAKE RELEASE REMOTE
	GRN/BLK-1	44	GRN/BLK-A3 ►	GRN/BLK-SP	JIB DOWN
	GRN-1	43		GRN-SP	JIB UP
ORG/RED-CH	ORG/RED-1	42			48V SUPPLY
ORG/BLK-CH	ORG/BLK-1	41		ORG/BLK-TB47	DRIVE COIL PR1
	ORG-1	40	BLK-LS4		LIMIT SWITCH
BLU/BLK-CH	BLU/BLK-1	37		BLU/BLK-TB19 ►	STEER LEFT
BLU-CH	BLU-1	36		BLU-TB19 ►	STEER RIGHT
WHT/RED-CH	WHT/RED-1	32			BRAKE FLOW CONTROL
WHT/BLK-CH	WHT/BLK-1	31			REVERSE PR2
WHT-CH	WHT-1	30			FORWARD PR2
RED/WHT-CH	RED/WHT-1	29		RED/WHT-TB46 ◄	BRAKE HS
WHT-TILT ALARM	RED/BLK-1	28			TILT ALARM
RED-CR3	RED-1	27		RED-SP	AUX PWR PR4
RED-TILT ALARM	WHT-LS1	23	WHT-2	WHT-SP	KEYSWITCH PWR
		22	BLK-2	BLK-SP	PWR TO PLATFORM
RED-CH		20		RED-SP	12V BATT SUPPLY
► GRN/WHT-PS		19	TB36 & 37	BLU+BLU/BLK	
GRN/WHT-CR2,CR3	GRN/WHT-3	19		GRN/WHT-SP	LIFT PUMP PR3
	GRN/BLK-3	18		GRN/BLK-SP	PLAT ROTATE RIGHT
	GRN-3	17		GRN-SP	PLAT ROTATE LEFT
	ORG/RED-3	16	RED-LS3		
ORG/BLK-CR4	ORG/BLK-3	15	ORG-LS2 ► (OPT)	ORG/BLK-SP	PLAT LEVEL DOWN
ORG-CR4	ORG-3	14	ORG-LS2 ► (OPT)	ORG-SP	PLAT LEVEL UP
	BLU/RED-3	13	WHT-LS3		DRIVE ENABLE LIGHT
	BLU/WHT-3	12	BLK-LS3	RED SP-HM	DRIVE ENABLE / HOUR METER
BLU/BLK-MH	BLU/BLK-3	11	BLU/BLK-A3 ►	BLU/BLK-SP	SECONDARY BOOM DOWN
BLU-MH	BLU-3	10		BLU-SP	SECONDARY BOOM UP
	BLK/RED-3	9		BLK/RED-CR1	HORN
BLK/WHT-MH	BLK/WHT-3	8		BLK/WHT-SP	BOOM RETRACT
BLK-MH	BLK-3	7		BLK-SP	BOOM EXTEND
WHT/RED-MH	WHT/RED-3	6		WHT/RED-SP ◄	LIFT FLOW CONTROL
WHT/BLK-MH	WHT/BLK-3	5		WHT/BLK-SP	TURNTABEL ROTATE LEFT
WHT-MH	WHT-3	4		WHT-SP	TURNTABEL ROTATE RIGHT
RED/WHT-CH	RED/WHT-3	3			DRIVE FLOW CONTROL
RED/BLK-MH	RED/BLK-3	2	RED/BLK-A3 ►	RED/BLK-SP	PRIMARY BOOM DOWN
RED-MH	RED-3	1		RED-SP	PRIMARY BOOM UP
D	C		B	A	

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