

Genie®

Service Manual

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Part No. 52709

Z™-45/25
Z™-45/25J

From Serial number 9998 to 21179

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SPECIFICATIONS

Tires and wheels	Rough terrain	Industrial
Wheel diameter	17.5 inches	14.5 inches
Wheel width	10.5 inches	7 inches
Wheel lugs, 4WD	9 @ 5/8 -18	
Wheel lugs, 2WD Front Rear	 8 @ 5/8 -18 9 @ 5/8 -18	 8 @ 5/8 -18 9 @ 5/8 -18
Lug nut torque	125 ft-lbs 169.5 Nm	125 ft-lbs 169.5 Nm
Tire size	14-17.5 NHS	9-14.5 LT
Tire ply rating	14	Tread 8 Sidewall 6
Tire contact area	59 sq in 149.9 sq cm	43.5 sq in 280 sq cm
Overall tire diameter	35.8 in 90.9 cm	28 in 71 cm
Tire pressure	45 psi 2.76 bar	Foam filled
Fluid capacities		
Fuel tank		17 gallons 64.3 liters
LPG tank		33.5 pounds 15.2 kg
Hydraulic tank		24 gallons 91 liters
Hydraulic system (including tank)		30 gallons 113.6 liters
Drive torque hubs		17 fl oz 0.51 liters

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

Performance Specifications

Drive speeds, maximum	
Drive speed, stowed All models	4.8 mph 7.7 km/h 40 ft/5.7 sec 12.2 m/5.7 sec
Drive speed, boom raised or extended, Standard Base Models	0.6 mph 1 km/h 40 ft/45 sec 12.2 m/45 sec
Drive speed, boom raised or extended, Narrow Base Models	0.36 mph 0.58 km/h 40 ft/79 sec 12.2 m/79 sec

Gradeability	2WD	4WD
Boom Stowed Position	30%	45%

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Platform Control Box Wiring Diagram- Z-45/25J Perkins Models (after serial number 16303)



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GROUND CONTROLS

10-4 Engine Fault Codes - Ford Models

How to Retrieve Engine Fault Codes

When a engine malfunction is detected by the Electronic Control Module (ECM), a fault code is recorded and the check engine light will turn ON at the ground and platform controls. Use the following procedure to retrieve the engine fault code to determine the engine malfunction.

NOTICE Perform this procedure with the key switch in the OFF position.

1 Open the ground controls side turntable cover.

2 Locate the run/test toggle switch located on the left side of the ground control box.

3 Pull out the ground controls red Emergency Stop button to the ON position.

4 Hold the run/test toggle switch to the test position and turn the key switch to the ground controls position.

⊙ Result: The check engine light should turn on. The check engine light should begin to blink.

5 Continue to hold the run/test toggle switch in the test position and count the blinks.

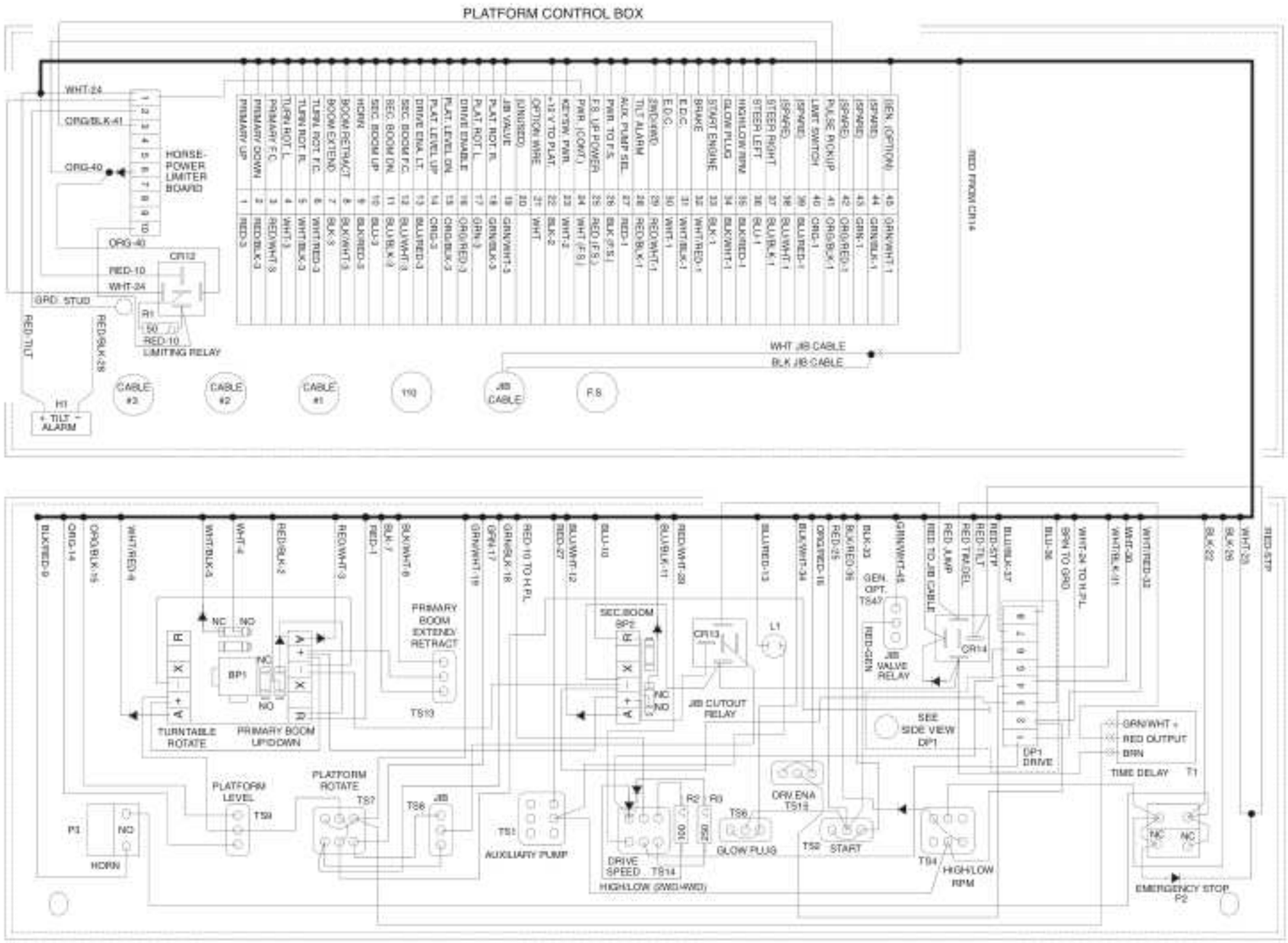
NOTICE Fault codes are two digits. The check engine light will blink the first digit of a two digit code then will pause for 1.2 seconds and then blink the second digit. For example: the check engine light blinks 5 consecutive times then pauses for 1.2 seconds and then blinks 1 time. That would indicate code 51. The ECM is able to store up to six individual fault codes. There will be a 2.4 second pause between codes.

6 Refer to the Troubleshooting Section for definition of engine fault codes.

NOTICE Once a fault code has been retrieved and the repair has been completed, the ECM memory must be reset to clear the fault code from the ECM. See 10-5, *How to Clear Engine Fault Codes.*

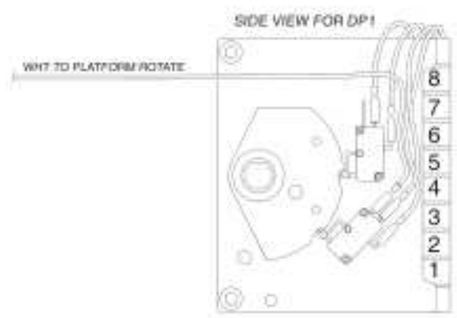
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Platform Control Box Wiring Diagram- Lift/Drive SelectOption, Z-45/25J Perkins Models (after serial number 16303)



COMPONENT INDEX

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TS2	START ENGINE SWITCH
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TS7	PLATFORM ROTATE SWITCH
TS8	JIB BOOM UP/DOWN
TS9	PLATFORM LEVEL SWITCH
TS10	SECONDARY BOOM UP/DOWN SWITCH
TS11	PRIMARY BOOM UP/DOWN SWITCH
TS12	TURNTABLE ROTATE SWITCH
TS13	PRIMARY BOOM EXTEND/RETRACT SWITCH
TS47	GENERATOR SWITCH (OPTION)
R1	EFI RESISTOR (FORD AND PERKINS ONLY)
R2	LOW SPEED RESISTOR
R3	LOW SPEED RESISTOR
L1	DRIVE ENABLE LED
BP1	BOOM PROPORTIONAL JOYSTICK: PRIMARY BOOM UP/DOWN, TURNTABLE ROTATE
BP2	BOOM PROPORTIONAL JOYSTICK: SECONDARY BOOM UP/DOWN
CR12	EFI RELAY (FORD AND PERKINS ONLY)
CR13	JIB CUTOUT RELAY
CR14	JIB VALVE RELAY
DP1	DRIVE PROPORTIONAL JOYSTICK
H.P.L.	HORSEPOWER LIMITER BOARD
T1	TIME DELAY
H1	TILT ALARM



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