A TEREX COMPANY

Service Manual

Serial Number Range

Z-40/23N

from Z4007-100 to
Z40N13-1901

Z-40/23N RJ

Part No. 119817
Rev B1
April 2016

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Specifications

Machine Torque Specifications

Platform rotator	
3/4 -10 center bolt, GR 8 (dry)	380 ft-lbs 515 Nm
3/4 - 10 center bolt, GR 8 (lubricated)	280 ft-lbs 379 Nm
3/8 -16 bolts, GR 8, (dry)	44 ft-lbs 60 Nm
3/8 -16 bolts, GR 8, (lubricated)	33 ft-lbs 45 Nm
Jib boom rotator, Z-40/23N RJ	
1 -8 center bolt, GR 5, (dry)	640 ft-lbs 868 Nm
1 -8 center bolt, GR 5, (dry)	480 ft-lbs 650 Nm
1/2 - 13 bolts, GR 5, (dry)	75 ft-lbs 102 Nm
1/2 - 13 bolts, GR 5, (lubricated)	57 ft-lbs 77Nm
Axles	
5/8 -11 mounting bolt, GR 5 (dry)	150 ft-lbs 203 Nm
5/8 11 mounting bolt, GR 5 (lubricated)	101 ft-lbs 149 Nm
Turntable rotate assembly	
Rotate bearing mounting bolts, lubricated	180 ft-lbs 244 Nm
Rotate bearing motor/brake mounting bolts, lubricated	93 ft-lbs 126 Nm
Drive motor and hubs	
Drive hub mounting bolts, lubricated	180 ft-lbs 244 Nm
Drive motor mounting bolts, lubricated	5 ft-lbs 6.8 Nm

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Control System Fault Codes

Control System Fault Codes

How to Retrieve Control System Fault Codes from the Platform Controls

At least one fault code is present when the alarm at the platform controls produces two short beeps every 30 seconds for 10 minutes.

1 Turn the key switch to platform control.

2 Pull out the red Emergency Stop button to the on position at both the ground and platform controls.

3 Do not press down the foot switch.

4 Move and hold the drive enable toggle switch in the right direction and hold the steer rocker switch in the right direction.

5 When the display leaves SYSTEM READY mode, release the drive enable toggle switch and the steer rocker switch.

⊙ Result:The display will show FAULTS.

To access active faults:

6 Momentarily activate the drive enable toggle switch in the right direction until ACTIVE FAULTS is shown on the display.

7 Momentarily activate the drive enable toggle switch in the right direction to access the active fault codes.

8 Activate the steer rocker switch in the right direction to scroll through the fault codes.

To access motor controller faults:

9 Momentarily activate the drive enable toggle switch in the right direction until ACTIVE FAULTS is shown on the display.

10 Activate the steer rocker switch in the right direction until MOTOR CONTROLLER FAULTS is shown on the display.

11 Momentarily activate the drive enable toggle switch in the right direction to access the motor controller fault codes.

12 Activate the steer rocker switch in the right direction to scroll through the fault codes.

13 Refer to the fault code table on the following pages to aid in troubleshooting the machine by pinpointing the area or component affected.

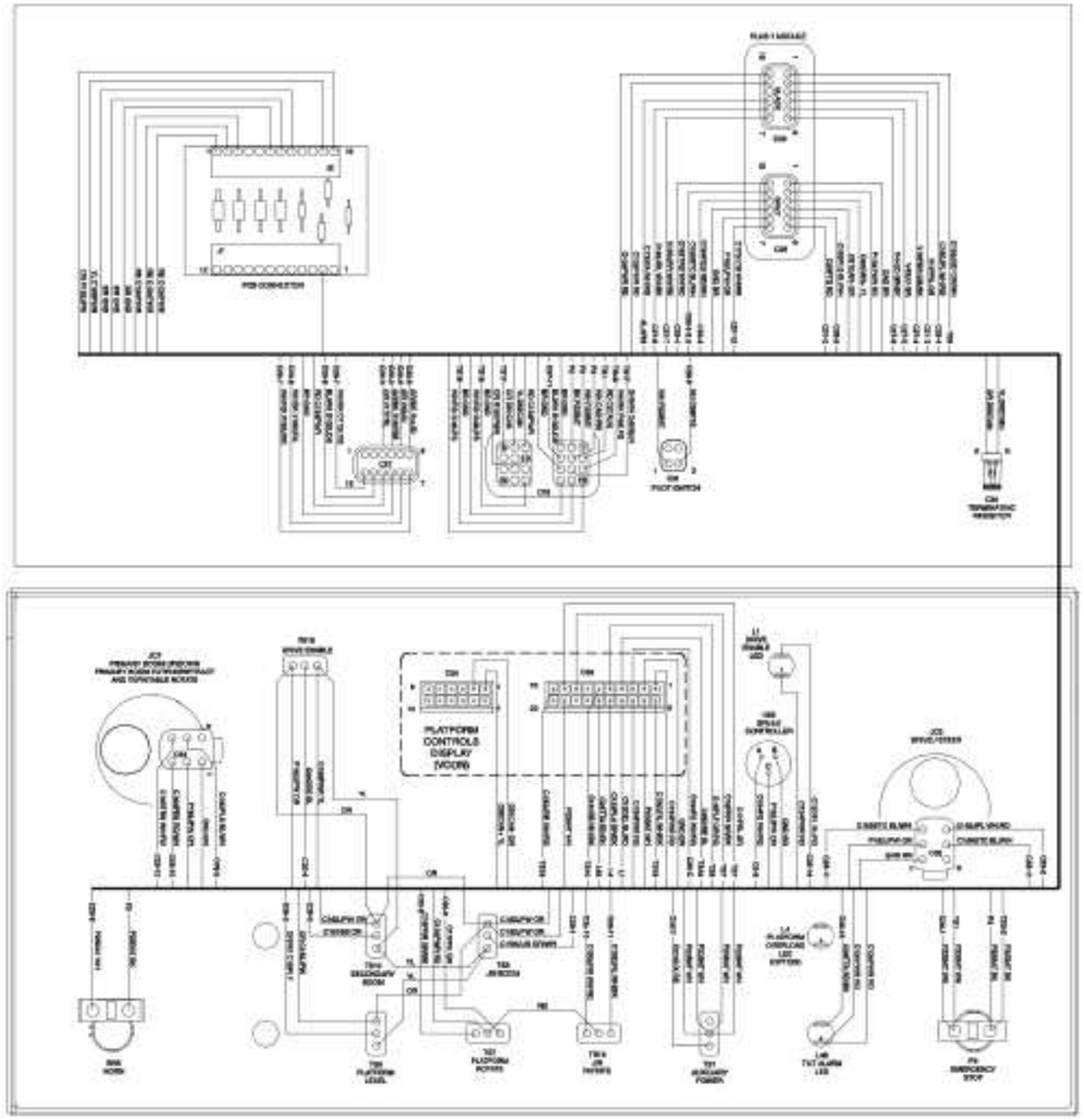
14 To exit the fault code screen, momentarily activate the drive enable toggle switch to the left direction until FAULTS is shown on the display.

To exit programming mode:

15 Push in the red Emergency Stop button at the platform controls. Wait approximately 5 seconds and then pull out the red Emergency Stop button out to the on position.

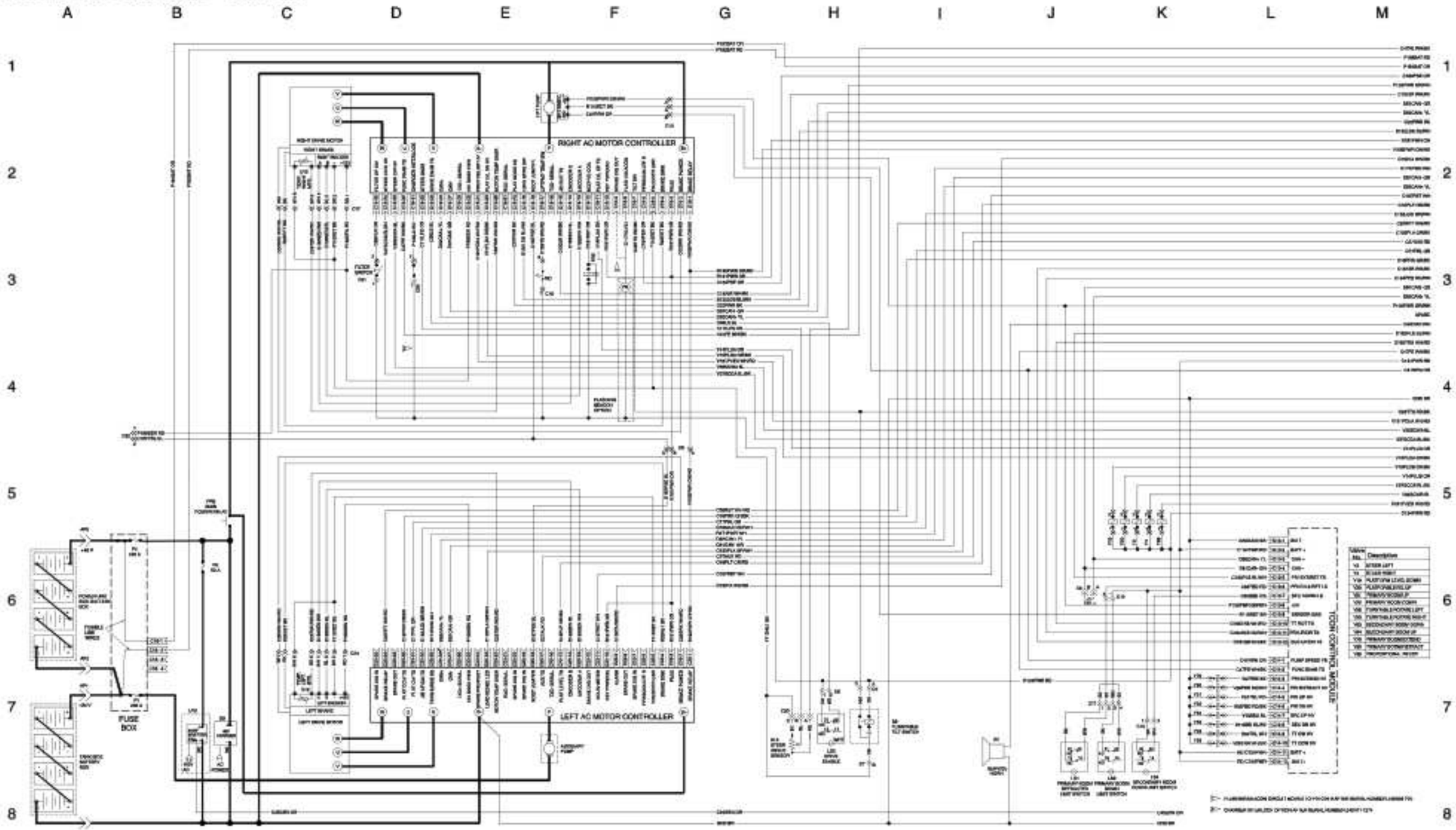
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Platform Control Box Wiring Diagram



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Electrical Schematic - Chassis



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