Genie®
A TEREX COMPANY

Service and Repair Manual

Z®-33/18
DC Power

Serial Number Range

From Z331815M-101 to Z331816M-1299

From Z3318M-1300 to Z3318M-2668

From Z3318M-2669

This manual includes:
Repair procedures
Fault Codes
Electrical and Hydraulic Schematics

For detailed maintenance procedures, Refer to the appropriate Maintenance Manual for your machine.

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Hydraulic Hose and Fitting Torque Specifications

Your machine is equipped with Parker Seal-Lok™ ORFS or 37° JIC fittings and hose ends. Genie specifications require that fittings and hose ends be torqued to specification when they are removed and installed or when new hoses or fittings are installed.

Seal-Lok™ Fittings
(hose end - ORFS)

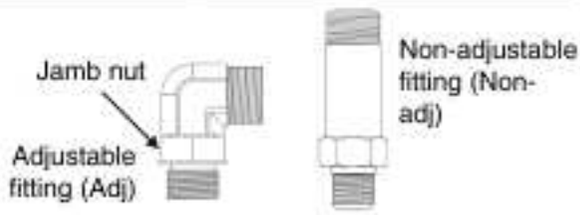
SAE Dash size	Torque
-4	10 ft-lbs / 13.6 Nm
-6	30 ft-lbs / 40.7 Nm
-8	40 ft-lbs / 54.2 Nm
-10	60 ft-lbs / 81.3 Nm
-12	85 ft-lbs / 115 Nm
-16	110 ft-lbs / 150 Nm
-20	140 ft-lbs / 190 Nm
-24	180 ft-lbs / 245 Nm

JIC 37° Fittings
(swivel nut or hose connection)

SAE Dash size	Thread Size	Flats
-4	7/16-20	2
-6	9/16-18	1 1/4
-8	3/4-16	1
-10	7/8-14	1
-12	1 1/16-12	1
-16	1 5/16-12	1
-20	1 5/8-12	1
-24	1 7/8-12	1

SAE O-ring Boss Port
(tube fitting - installed into Aluminum)
(all types)

SAE Dash size	Torque
-4	14 ft-lbs / 19 Nm
-6	23 ft-lbs / 31.2 Nm
-8	36 ft-lbs / 54.2 Nm
-10	62 ft-lbs / 84 Nm
-12	84 ft-lbs / 114 Nm
-16	125 ft-lbs / 169.5 Nm
-20	151 ft-lbs / 204.7 Nm
-24	184 ft-lbs / 249.5 Nm



SAE O-ring Boss Port
(tube fitting - installed into Steel)

SAE Dash size		Torque
-4	ORFS / 37° (Adj) ORFS (Non-adj) 37° (Non-adj)	15 ft-lbs / 20.3 Nm 26 ft-lbs / 35.3 Nm 22 ft-lbs / 30 Nm
-6	ORFS (Adj / Non-adj) 37° (Adj / Non-adj)	35 ft-lbs / 47.5 Nm 29 ft-lbs / 39.3 Nm
-8	ORFS (Adj / Non-adj) 37° (Adj / Non-adj)	60 ft-lbs / 81.3 Nm 52 ft-lbs / 70.5 Nm
-10	ORFS (Adj / Non-adj) 37° (Adj / Non-adj)	100 ft-lbs / 135.6 Nm 85 ft-lbs / 115.3 Nm
-12	(All types)	135 ft-lbs / 183 Nm
-16	(All types)	200 ft-lbs / 271.2 Nm
-20	(All types)	250 ft-lbs / 339 Nm
-24	(All types)	305 ft-lbs / 413.5 Nm

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FAULT CODES

Control System Fault Codes

At least one fault code is present when the service icon is shown on the display.

How to Retrieve Control System Fault Codes from the Platform Controls

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.

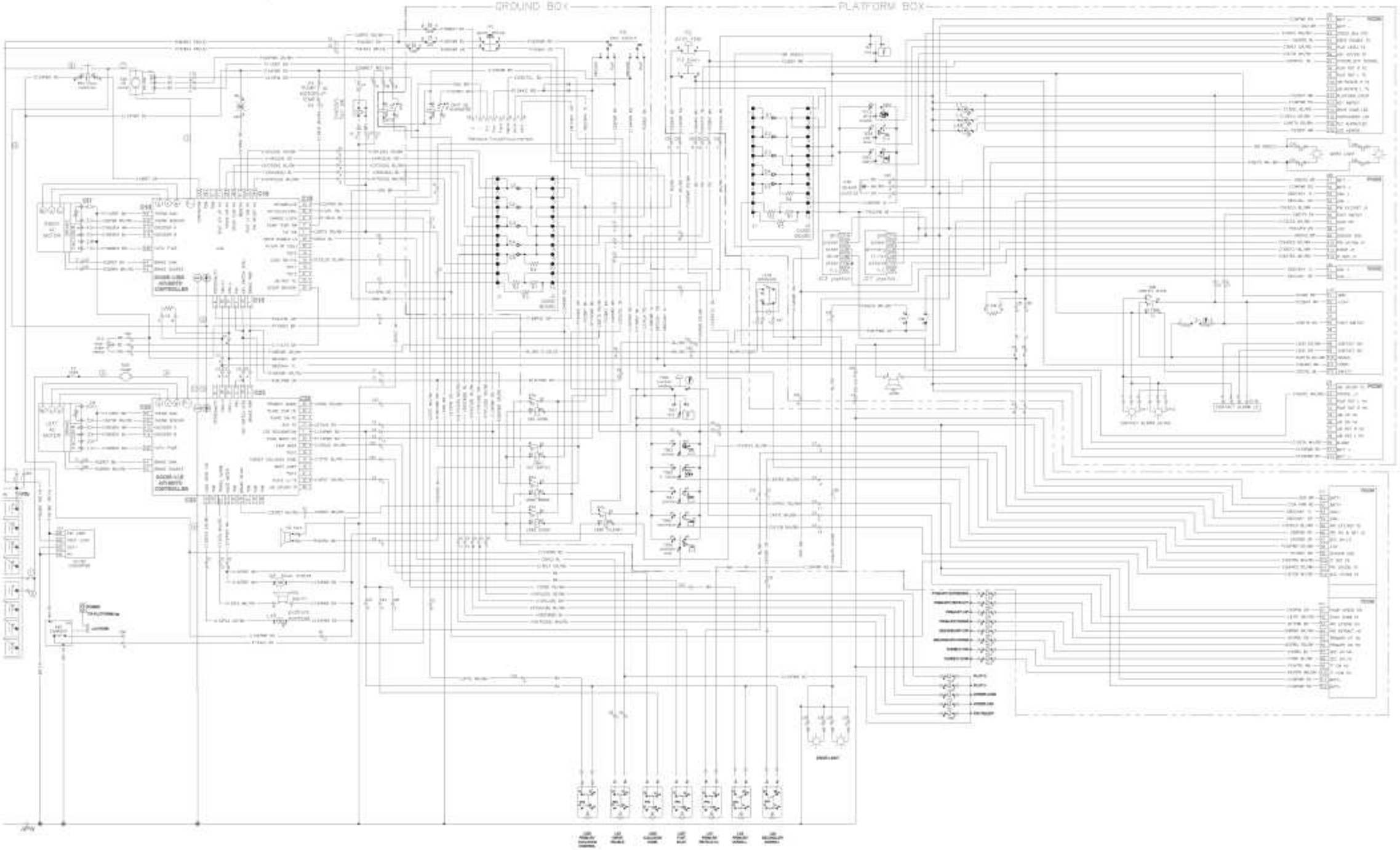
14 To exit the fault code screen, momentarily activate the drive enable toggle switch to the left direction until FAULTS is shown on the display.

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.

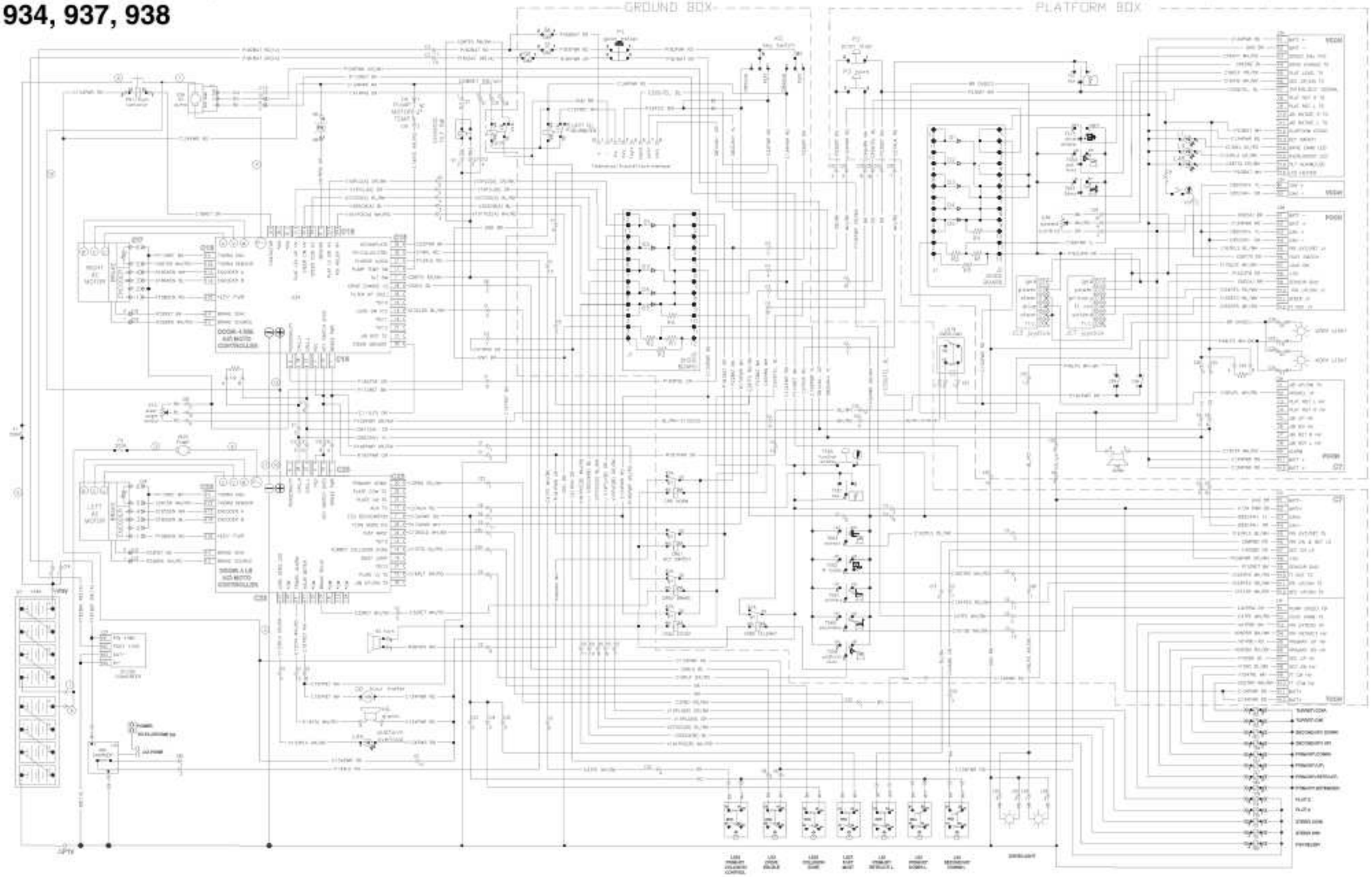
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Electrical Schematic, from S/N Z3318M-1783 to Z3318M-2668



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Electrical Schematic, from S/N Z331815M-947 to S/N Z3318M-1782 and for S/N Z331815M-919, 923, 926, 929, 933, 934, 937, 938



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