A TEREX BRAND

Parts Manual

Serial Number Range

Z-45/25

Z-45/25J

IC Power

from SN 9997 to 21178

Part No. 52551

Rev E3

November 2018

MidWestTech | Terex Genie Z-45/25, Z-45/25J IC Power Articulated Boom Lift Parts Manual | Publication 52551

Order the manual at mid-west-tech.com >

Table of Contents

This manual is updated frequently. If you have a printed manual, you can keep it up to date by downloading new figures from the Genie website at www.genielift.com. For the most up-to-date parts information, visit the Parts Lookup System on the Genie website at www.genielift.com.

How to Read Your Serial Number....3
Parts Stocking List....7
How to Order Parts....8
Service Parts Fax Order Form....9

Electronic Version

Click on any page number to view the figure.

100 Decals and Paint
101.1 Decals and Paint....10

200 2WD Drive Chassis Components
201.1 Steer Axle Linkage - Oscillate Models....14
202.1 Steer Axle Linkage - Non-oscillate Models....16
203.1 Steer Axle Wheels and Hubs....18
204.1 Non-steer Axle....20
205.1 Drive Manifold....24
206.1 Oscillation Valve....26
206.2 Oscillation Valve, Kit T111453....28
207.1 Hydraulic Hoses and Fittings - Drive and Steer System....30
208.1 Hydraulic Hoses and Fittings - Drive and Steer System, Narrow Models....32
209.1 Hydraulic Hoses and Fittings - Oscillate System....34

300 4WD Drive Chassis Components
301.1 Steer Axle Linkage - Oscillate Models....36
302.1 Steer Axle Wheels and Hubs....38
303.1 Non-steer Axle....40
304.1 Drive Manifold....44
305.1 Oscillation Valve....46
305.2 Oscillation Valve....48
306.1 Hydraulic Hoses and Fittings - Drive and Steer System....50
307.1 Hydraulic Hoses and Fittings - Oscillate System....54

400 Engine Components
401.1 Engine Pivot Plate Components....56
402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)....60
402.2 Ford LRG-425 EFI Engine - View 1 (from SN 19394)....64
403.1 Ford LRG-425 EFI Engine - View 2....66
404.1 Ford LRG-425 EFI Engine - View 3....70
405.1 Deutz F3L 1011F Engine - View 1....72
406.1 Deutz F3L 1011F Engine - View 2....76
407.1 Perkins104-22 Engine - View 1....78
408.1 Perkins 104-22 Engine - View 2....80
409.1 Perkins 104-22 Engine - View 3....82
410.1 Perkins 104-22 Engine - View 4....84

500 Turntable Components
501.1 Turntable Rotator....86
502.1 Fuel and Hydraulic Tanks....88
503.1 Function Manifold and Ground Control Box Installation....90
504.1 Function Manifold....92
505.1 Ground Controls - View 1....96
506.1 Ground Controls - View 2....98
507.1 Turntable Covers - Engine Side....100
508.1 Turntable Covers - Tank Side (to SN 19693)....102
509.1 Turntable Covers - Tank Side and Fuel Filter (from SN 19694)....104
510.1 Hydraulic Hoses and Fittings - Turntable Components (to SN 20757)....106
511.1 Hydraulic Hoses and Fittings - Turntable Components (from SN 20758)....108

600 Boom Components
601.1 Boom Installation - Pins and Bushings....110
602.1 Boom Installation - Linkage....112
603.1 Upper Pivot....114
604.1 Primary and Extension Booms - Non-Jib Models....116
605.1 Primary and Extension Booms - Jib Models....118
606.1 Cable Track Installation - Non-Jib Models....120
607.1 Cable Track Installation - Jib Models....122
608.1 Platform Leveling and Rotation - Non-Jib Models....124
609.1 Platform Leveling and Rotation - View 1 - Jib Models....126
610.1 Platform Leveling and Rotation - View 2 - Jib Models....128
611.1 Hydraulic Hoses and Fittings - Non-Jib Models....130
612.1 Hydraulic Hoses and Fittings - Jib Models....132
613.1 Jib Detail....136

700 Platform Components
701.1 Platform Installation....138
702.1 Platform....140
703.1 Platform Controls - View 1....142

MidWestTech | Terex Genie Z-45/25, Z-45/25J IC Power Articulated Boom Lift Parts Manual... Order the manual at mid-west-tech.com >

704.1 Platform Controls - View 2.....144
705.1 Joystick Controller - Drive/Steer Functions.....146
706.1 Joystick Controller - Secondary Boom Functions.....148
707.1 Joystick Controller - Primary Boom and Turntable Rotate Functions.....150

800 Accessories

801.1 Alarm and Beacon Package.....152
802.1 Platform Options.....154
803.1 Half-mesh and Swing Gate Options.....156
804.1 Air Line to Platform.....158
805.1 Cold Start Package - Ford and Deutz Engines.....160
806.1 Generator Option.....162
807.1 Pipe Cradle.....164

Indices

Part Number Index.....166
Part Description Index.....172

Cross References

Fittings Cross Reference.....182

MidWestTech | Terex Genie Z-45/25, Z-45/25J IC Power Articulated Boom Lift Parts Manual... Order the manual at mid-west-tech.com >

306.1 Hydraulic Hoses and Fittings - Drive and Steer System (continued)

Item	Part No.	Description	Qty.

Footnotes

1: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4) and Hose, 1/4 inch (Parker No. 481TC-4)

2: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-4) and Hose, 1/4 inch (Parker No. 481TC-4)

3: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-8) and Hose, 1/2 inch (Parker No. 381-8)

4: Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-6), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8-6) and Hose, 3/8 inch (Parker No. 451TC-6)

5: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8-6), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8) and Hose, 1/2 inch (Parker No. 451TC-8)

6: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Male, Bulkhead, ORFS (Parker No. 1JB43-8) and Hose, 1/2 inch (Parker No. 451TC-8)

7: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-6-4) and Hose, 1/4 inch (Parker No. 481TC-4)

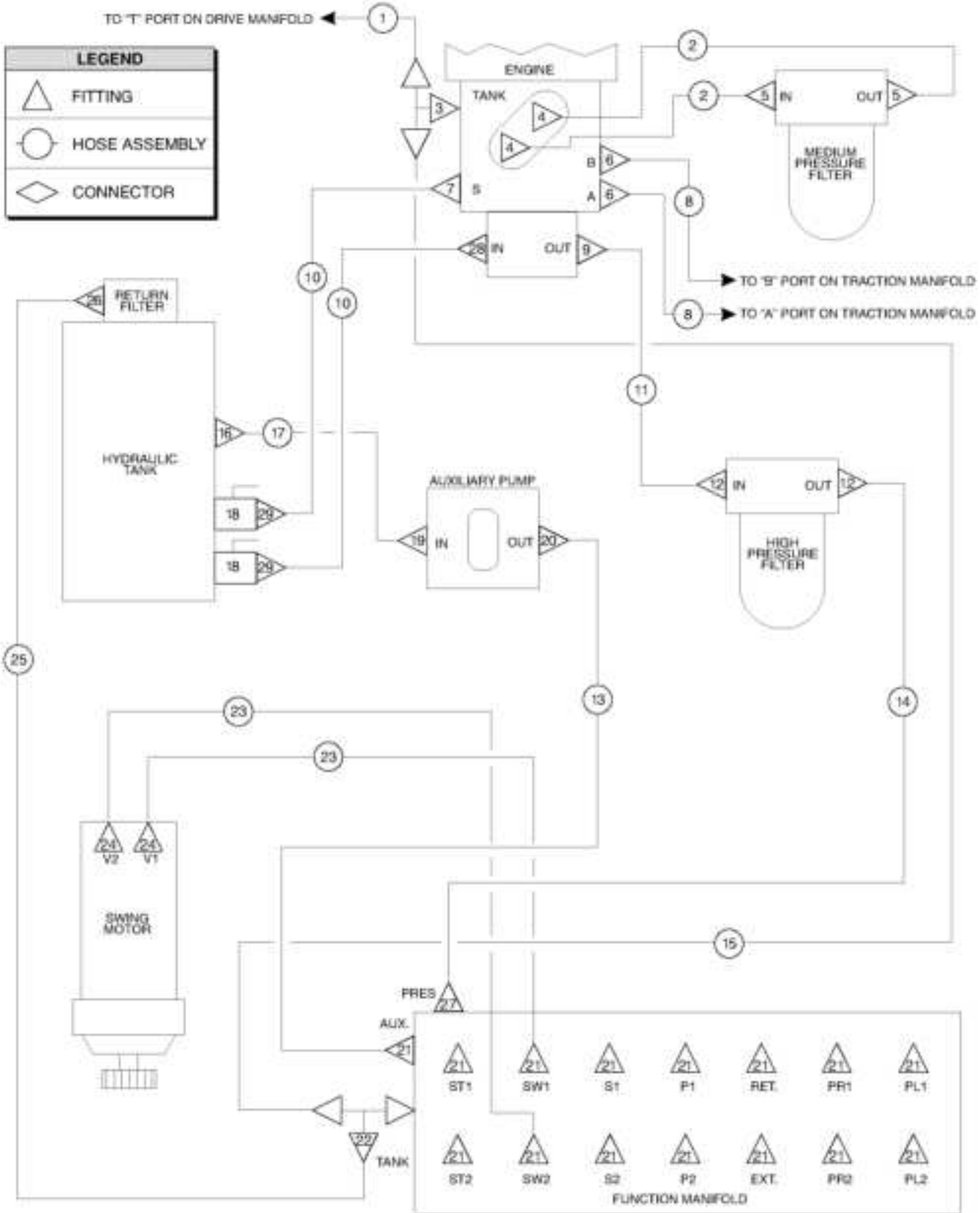
8: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-8) and Hose, 1/2 inch (Parker No. 451TC-8)

9: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8) and Hose, 1/2 inch (Parker No. 381-8)

10: Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-8), Hose End - Male, Bulkhead, ORFS (Parker No. 1JB43-8) and Hose, 1/2 inch (Parker No. 381-8)

MidWestTech | Terex Genie Z-45/25, Z-45/25J IC Power Articulated Boom Lift Parts Manual... Order the manual at mid-west-tech.com >

511.1 Hydraulic Hoses and Fittings - Turntable Components (from SN 20758)



MidWestTech | Terex Genie Z-45/25, Z-45/25J IC Power Articulated Boom Lift Parts Manual... Order the manual at mid-west-tech.com >

612.1 Hydraulic Hoses and Fittings - Jib Models
(continued)

Item	Part No.	Description	Qty.

Footnotes

1: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-4) and Hose, 1/4 inch (Parker No. 481TC-4)
2: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4) and Hose, 1/4 inch (Parker No. 481TC-4)
3: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Male, ORFS (Parker No. 1JO43-4) and Hose, 1/4 inch (Parker No. 481TC-4)
4: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6-4) and Hose, 1/4 inch (Parker No. 481TC-4)
5: Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6-4) and Hose, 1/4 inch (Parker No. 481TC-4)
6: Verify hose end port size (SAE-4 or 6) when ordering

MidWestTech | Terex Genie Z-45/25, Z-45/25J IC Power Articulated Boom Lift Parts Manual... Order the manual at mid-west-tech.com >