Genie Industries

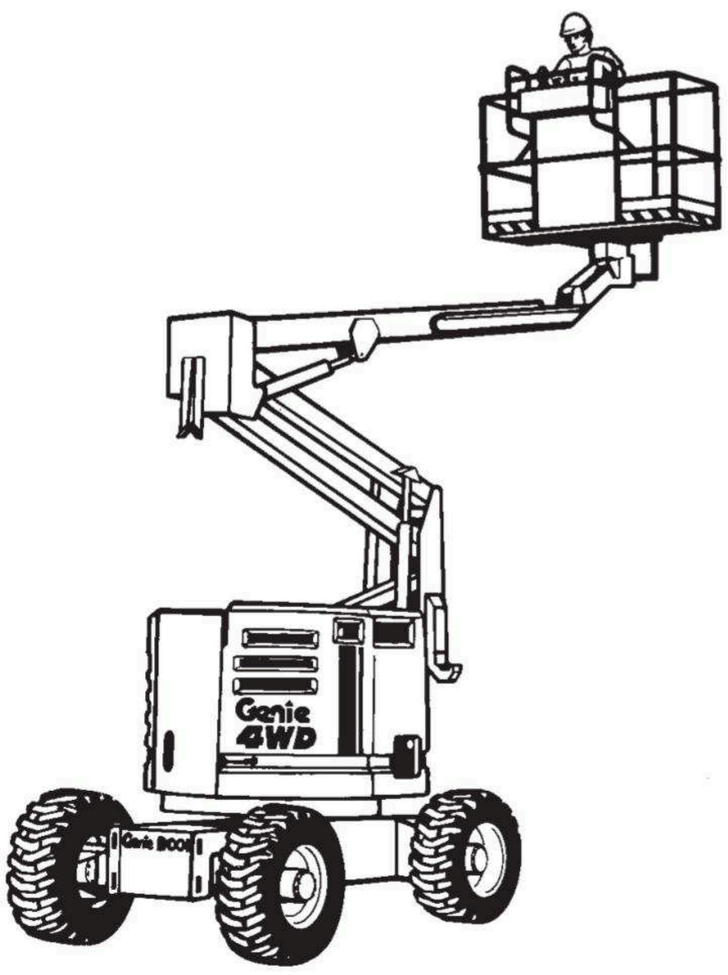
Technical Publications

Genie®

A TEREX COMPANY

Genie® Z-45/22

Service Manual



Second Edition, First Printing
Part No. 32960

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SPECIFICATIONS

Front drive motors - 4WD models	
Displacement per revolution	2.1 cu in 34.4cc

Rear drive motor	
Displacement per revolution	High - 2.8 cu in / 45.9cc Low - 0.15 cu in / 2.5cc

Function pump	
Type	fixed displacement gear pump
Displacement	6.4 gpm @ 2150 rpm 0.4 liters/second
Function circuit return line filter	10 micron with 25 psi / 172kPa bypass

Function manifold	
Function relief valve pressure	2200 psi 152 bar
Secondary down relief valve pressure	1200 psi 83 bar
Primary down relief valve pressure	1200 psi 83 bar
Primary extend relief valve pressure	1200 psi 83 bar
Steer/oscillate flow regulator	1.5 gpm 5.7 liters/minute

Steer/oscillate manifold	
Sequencing valve pressure	1800 psi 123 bar
Accumulator pre-charge pressure	1600 psi 110 bar

Auxillary pump	
Type	fixed displacement gear pump
Displacement	0.85 gpm 3.2 liters/minute
Auxillary pump relief pressure	2030 psi 138 bar

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TROUBLESHOOTING FLOW CHARTS

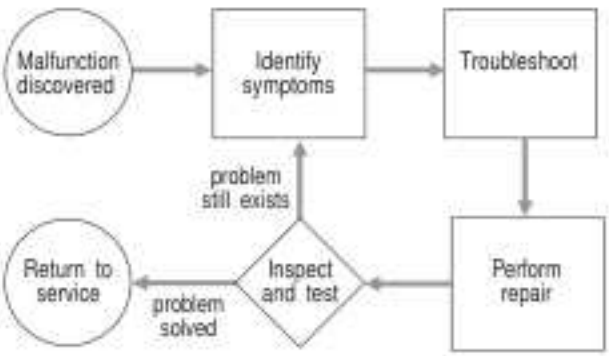
About This Section

When a malfunction is discovered, the flow charts in this section will help a service professional pinpoint the cause of the problem. To use this section, basic hand tools and certain pieces of test equipment are required—voltmeter, ohmmeter, pressure gauges.

The location of terminals mentioned in this section can be found on the appropriate electrical or hydraulic schematics provided in Section 6, *Schematics*.

Since various degrees of a particular function loss may occur, selecting the appropriate flow chart may be troublesome. When a function will not operate with the same speed or power as a machine in good working condition, refer to the flow chart which most closely describes the problem.

General Repair Process



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