A TEREX BRAND

Parts Manual

Serial Number Range

Z-45/25

from SN Z452516N-56106 to Z452516N-57199

Z-45/25J DC & Bi-Energy

from SN Z4525N-57200 to 58604

Part No. 1263373GT

Rev B4

November 2018

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.

001 Parts Stocking List
001.1 Parts Stocking List....10

100 Decals
101.1 Word Decals - Bi-Energy....12
102.1 Symbol Decals - Bi-Energy....16
103.1 Word Decals - DC Power....18
104.1 Symbol Decals - DC Power....22

200 Drive Chassis Components
201.1 Steer End....24
202.1 Non-steer End....26
203.1 Battery Packs....30
204.1 Battery Charger....32
205.1 Power Cables....34

300 Engine Components
301.1 Engine Components....36
302.1 Kubota Z482 E4B-1 Engine, View 1....38
303.1 Kubota Z482 E4B-1 Engine, View 2....40
304.1 Kubota Z482 E4B-1 Engine, View 3....42

400 Turntable Components
401.1 Turntable Rotator....44
402.1 Turntable Components - View 1 - Bi-Energy Models....46
403.1 Turntable Components - View 1 - DC Models....48
404.1 Turntable Components - View 2....50
405.1 Turntable Components - View 3....52
406.1 Ground Control Box - View 1....54
407.1 Ground Control Box - View 2....58
408.1 Turntable Covers - View 1....60
409.1 Turntable Covers - View 2....62
410.1 Wire Harness Diagram - DC and Bi-Energy Models....64

500 Boom Components
501.1 Boom Pins and Bearings....66
502.1 Secondary Linkage....68
503.1 Upper Pivot....70
504.1 Primary and Extension Booms....72
505.1 Cable Track....74
506.1 Non-Jib Platform Leveling and Rotation (Z-45/25)....76
507.1 Jib Platform Leveling (Z-45/25J)....78
508.1 Jib Platform Rotation (Z-45/25J)....80
509.1 Jib Detail (Z-45/25J)....82

600 Platform Components
601.1 Platform Configuration....84
602.1 Platform Components....86
603.1 Platform Controls....88
604.1 Joystick Controller, Drive/Steer Functions....92
605.1 Rotational Controller....94

700 Pumps and Manifolds
701.1 Hydraulic Power Unit....96
702.1 Function Manifold....98
703.1 Jib Boom and Platform Rotate Manifolds....100

800 Hydraulic Hoses and Fittings
801.1 Drive and Steer Hoses....102
802.1 Turntable Components....104
803.1 Boom Components - Z-45/25....106
804.1 Boom Components - Z-45/25J....108

900 Accessories
901.1 Flashing Beacon....110
902.1 Platform Options....112
903.1 Half-height Mesh and Swing Gate Options - Side Swing Gate....114
903.2 Half-height mesh and Swing Gate Options - Front Single Entry....116
904.1 Air Line to Platform....118
905.1 Cold Start Package....120
906.1 Platform Overload Option....122
907.1 Hostile Environment Package - View 1....124
908.1 Hostile Environment Package - View 2....126
909.1 Drive Lights....128
910.1 Tow Package....130
911.1 Aircraft Protection Package....132
912.1 Aircraft Protection Package with Swing Gate....134
913.1 Pipe Cradle Accessory....136

MidWestTech | Terex Genie Z-45/25, Z-45/25J DC & Bi-Energy Articulated Boom Lift Parts... Order the manual at mid-west-tech.com >

914.1 Fall Arrest Bar.....138
915.1 Operators Protection Alarm (to January 2017).....140
915.2 Lift Guard Contact Alarm (from January 2017).....142
916.1 Operator Protective Structure.....144
917.1 Auxiliary Rail Option.....146
918.1 Panel Cradle Option.....148

Indices

Part Number Index.....150
Part Description Index.....155

Cross References

Fittings Cross Reference.....164

MidWestTech | Terex Genie Z-45/25, Z-45/25J DC & Bi-Energy Articulated Boom Lift Parts... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
A		— **GENERAL SERVICE PARTS** —	
--	1257733GT	PAINT,WET,TRAFFIC BLACK (1 GL)** *1-gallon*	
--	1258567GT	PAINT, AEROSOL, TRAFFIC BLACK *12-ounce spray paint*	
--	1268GT	PAINT,AEROSOL,GENIE GRAY*** *12-ounce spray paint*	
--	1283776GT	SEAL MARKER,CROSS CHECK,BLUE,TUBE	
--	1484GT	PAINT,AEROSOL,BRIGHT BLUE*** *12-ounce spray paint*	
--	28750GT	O-RING KIT,FIELD SVC,ALL PROD* *O-ring kit, SAE*	
--	32150GT	PAINT,WET,GENIE BLUE (1 GL)** *1-gallon*	
--	32151GT	PAINT,WET,GENIE GRAY (1 GL)** *1-gallon*	
--	33994GT	PLUG AND CAP KIT-SERVICE,37 ** *Plug and cap kit, SAE*	
--	36555GT	CHOCK,CYLINDER (SERVICE TOOL)	
--	49612GT	O-RING KIT (ORFS FITTINGS) *O-ring kit, ORFS*	
--	49613GT	PLUG AND CAP KIT-SERVICE,ORFS* *Plug and cap kit, ORFS*	
--	66399GT	GREASE,DIELECTRIC 4 OZ**	
--	93500GT	PARKER DIGITAL PRESSURE GAUGE	
--			
1		— **MANUALS** —	
--	27581GT	MANUAL,AEM SAFETY	
--	31779GT	MANUAL,RESPON,A92.5 BOOM	
2		— **HYD FILTERS** —	
--	44788GT	FILTER ELEMENT,10MICRON,PAPER*	
--	78622GT	FILTER ASSY,SAE8,10 MIC,PAPR**	
3		— **KUBOTA Z482 E4B-1 MODELS** —	
--	139429GT	ELEMENT, FUEL FILTER, Z482	
--	52816GT	BELT,FAN,KUBOTA DF972/Z482-E	
--	52867GT	FILTER,AIR***	
--	60112GT	ALTERNATOR BELT	
--	866400GT	KUBOTA OIL FILTER	

MidWestTech | Terex Genie Z-45/25, Z-45/25J DC & Bi-Energy Articulated Boom Lift Parts... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
A		*Complete Platform Assemblies with Decals*	
--			
--	1275393GT	PLAT ASSY,6' W/SIDE GATE,Z45DC/BI ANSI WORD *USA and Canadian models*	
--	1275395GT	PLAT ASSY,6' W/SIDE GATE,Z45/51 CE *European models*	
--	1275396GT	PLAT ASSY,6' W/SIDE GATE,Z45/51 ANSI SYM *Asia/South America models*	
--	1275397GT	PLAT ASSY,6' W/SIDE GATE,Z45DC/BI AUS *Australian models*	
B		*Complete Platform Assemblies and Platform Weldments without Decals (Warning tape & decals not included, refer to section 100 for decals)*	
--			
1	1272303GT	ASSY,6FT PLAT DUAL LG,BLANK W/SIDE SWING GATE	
--	1274858GT	ASSY,6' PLAT WELDMENT W/SIDE GATE *flooring and decal plate not included*	
2A	161541GT	ASSY,4FT PLATFORM, NO DECALS *Single entry*	
--	60042GT	WELDMENT,4 FT PLATFORM *flooring and decal plate not included*	
2B	161542GT	ASSY,5FT PLATFORM, NO DECALS *Single entry*	
--	50294GT	WELDMENT,5 FT PLATFORM *flooring and decal plate not included*	
2C	160809GT	ASSY,6FT PLATFORM,NO DECALS *Single entry*	
--	73900GT	WELDMNT,6 FT PLATFORM *flooring and decal plate not included*	

MidWestTech | Terex Genie Z-45/25, Z-45/25J DC & Bi-Energy Articulated Boom Lift Parts...
Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
A	94860GT	MANIFOLD,FUNCTION DC/BI***	
1	52897GT	VALVE,SOLENOID, 2POS/3WAY*** *A, Primary boom retract*	
--	52371GT	SEAL KIT, VALVE	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	
2	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** *B, Primary boom up/down*	
--	44229GT	SEAL KIT, VALVE	
--	44236GT	SPACER-DUAL COIL,#8***	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	
3	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** *C, Secondary boom up/down*	
--	44229GT	SEAL KIT, VALVE	
--	44236GT	SPACER-DUAL COIL,#8***	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	
4	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** *D, Turntable rotate left/right*	
--	44229GT	SEAL KIT, VALVE	
--	44236GT	SPACER-DUAL COIL,#8***	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	
5	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** *E, Platform rotate left/right and jib*	
--	44229GT	SEAL KIT, VALVE	
--	44236GT	SPACER-DUAL COIL,#8***	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD *boom up and down*	
6	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** *F, Platform level up/down*	
--	44229GT	SEAL KIT, VALVE	
--	44236GT	SPACER-DUAL COIL,#8***	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	
7	826779GT	VALVE,SHUTTLE *G, Platform level circuit*	
8	52912GT	VALVE,3POSITION,4WAY* *H, Steer left/right*	
--	44229GT	SEAL KIT, VALVE	
--	44236GT	SPACER-DUAL COIL,#8***	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	
9	101057GT	VALVE,PRESS COMP,PROP DIRECT *I, Controls flow to functions*	
--	119825GT	COIL, 24V, DEUTSCH NO DIODE	
10	1287986GT	SWITCH,PRESS,#6SAE,600 PSI *J, Brake circuit*	
11	52897GT	VALVE,SOLENOID, 2POS/3WAY*** *K, Primary boom extend*	
--	77709GT	COIL,#8 20VDC,DEUTSCH W/DIOD	

Item	Part No.	Description	Qty.
12	94618GT	VALVE,FLOW CONTROL,.4 GPM *L, Platform rotate and turntable rotate circuits*	
13	101055GT	VALVE,NEEDLE,FINE ADJUSTMENT** *M, Platform level circuit*	
14A	101114GT	VALVE RELIEF,2500PSI(88513)** *N, Platform level circuit (to SN 58175)*	
--	44227GT	SEAL KIT, VALVE	
14B	52374GT	VALVE,RELIEF,3000PSI,GS68PUMP1 *N, Platform level circuit (from SN 58176)*	
--	44227GT	SEAL KIT, VALVE	
15	52906GT	VALVE-RELIEF,3200 PSI *O, System relief*	
16	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* *P, Brake circuit*	
17	52910GT	ORIFICE PLUG, 0.060 *Q, Steer circuit*	
18	101067GT	ORIFICE PLUG,030,1/16-27 NPT *R, Proportional valve circuit*	
19	101056GT	VALVE,DIRECTIONAL,2-WAY,3 POS *S, Brake circuit (coil not included, order separately)*	
--	101069GT	ORIFICE DISK,.030 *S, Brake circuit*	
--	46258GT	NUT, CARTRIDGE VALVE	
--	84385GT	COIL,20VDC DEUTCSH W/DIODE *S, Brake circuit*	
20A	129021GT	ORIFICE PLATE,0.037" *U*	
20B	48912GT	CONN,520120-4-6*** *T*	
21A	47010GT	ORIFICE DISC,.037",BLACK * *T*	
21B	75453GT	VALVE,CHECK,DUAL PILOT*** *V, Platform level circuit*	
22A	101277GT	VALVE,RELIEF,2100 PSI*** *W, Secondary boom down circuit*	
22B	75453GT	VALVE,CHECK,DUAL PILOT*** *U, Platform level circuit*	
23	101277GT	VALVE,RELIEF,2100 PSI*** *V, Secondary boom down circuit*	

MidWestTech | Terex Genie Z-45/25, Z-45/25J DC & Bi-Energy Articulated Boom Lift Parts... Order the manual at mid-west-tech.com >