A TEREX BRAND

Parts Manual

Serial Number Range

Z-45/25

from SN Z452505-27000 to Z452507-34010

Z-45/25J

from SN Z452507A-34011 to Z4516A-55298

DC & Bi-Energy

from SN Z452512B-2245 to Z452516B-5452

from SN Z452513D-101 to Z452516D-939

from SN Z4525M-5453 to Z452516M-6699

from SN Z452516N-55299 to Z452516N-56105

Part No. 110933

Rev G8

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 (to SN Z4525-9999)....32
204.2 Battery Charger (from SN Z4525-10000)....34
205.1 Power Cables (to SN 08A-35694)....36
205.2 Power Cables (from SN 08A-35695 and from 12B-2245 and from 13D-101)....38

300 Engine Components
301.1 Engine Components....40
302.1 Kubota Z482 E2B-GNI-1 Engine, View 1 (to serial number Z452510A-39345)....42
303.1 Kubota Z482 E2B-GNI-1 Engine, View 2 (to serial number Z452510A-39345)....44
304.1 Kubota Z482 E2B-GNI-1 Engine, View 3 (to serial number Z452510A-39345)....46
305.1 Kubota Z482 E3B-1 Engine, View 1 (from serial number Z452510A-39346 to Z452513A-48922)....48
306.1 Kubota Z482 E3B-1 Engine, View 2 (from serial number Z452510A-39346 to Z452513A-48922)....50
307.1 Kubota Z482 E3B-1 Engine, View 3 (from serial number Z452510A-39346 to Z452513A-48922)....52
308.1 Kubota Z482 E4B-1 Engine, View 1 (from serial number Z452513A-48923)....54
309.1 Kubota Z482 E4B-1 Engine, View 2 (from serial number Z452513A-48923)....56
310.1 Kubota Z482 E4B-1 Engine, View 3 (from serial number Z452513A-48923)....58

400 Turntable Components
401.1 Turntable Rotator....60
402.1 Turntable Components - View 1 - Bi-Energy Models....62
403.1 Turntable Components - View 1 - DC Models....64
404.1 Turntable Components - View 2....66
405.1 Turntable Components - View 3....68
406.1 Ground Control Box - View 1....70
407.1 Ground Control Box - View 2....74
408.1 Turntable Covers - View 1....76
409.1 Turntable Covers - View 2....78
410.1 Wire Harness Diagram - DC Models (to SN Z452515A-53480, Z452515B-4518 and Z452515C-532)....80
411.1 Wire Harness Diagram - Bi-Energy Models (to SN Z452515A-53480, Z452515B-4518 and Z452515C-532)....82
412.1 Wire Harness Diagram - DC and Bi-Energy Models (from SN Z452515A-53481, Z452515B-4519 and Z452515C-533)....84

500 Boom Components
501.1 Boom Pins and Bearings....86
502.1 Secondary Linkage....88
503.1 Upper Pivot....90
504.1 Primary and Extension Booms (to SN 37889)....92
504.2 Primary and Extension Booms (from SN 08A-37890 and from 12B-2245 and from 13D101)....94
505.1 Cable Track (to SN 37889)....96
505.2 Cable Track (from SN 08A-37890 and from 12B-2245 and from 13D101)....98
506.1 Non-Jib Platform Leveling and Rotation (Z-45/25)....100
507.1 Jib Platform Leveling (Z-45/25J)....102
508.1 Jib Platform Rotation (Z-45/25J)....104
509.1 Jib Detail (Z-45/25J)....106

600 Platform Components
601.1 Platform Configuration....108
602.1 Platform Components....110
603.1 Platform Controls (to SN Z452515A-53323 and 15D-554)....112
603.2 Platform Controls (from SN Z452515A-53324 and 15D-555)....116
604.1 Joystick Controller, Drive/Steer Functions....120

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

605.1 Rotational Controller....122

700 Pumps and Manifolds
701.1 Hydraulic Power Unit....124
702.1 Function Manifold....126
703.1 Jib Boom and Platform Rotate Manifolds....128

800 Hydraulic Hoses and Fittings
801.1 Drive and Steer Hoses....130
802.1 Turntable Components....132
803.1 Boom Components - Z-45/25....134
804.1 Boom Components - Z-45/25J....136

900 Accessories
901.1 Flashing Beacon....138
902.1 Platform Options....140
903.1 Half-height Mesh and Swing Gate....142
904.1 Air Line to Platform....144
905.1 Cold Start Package....146
906.1 Platform Overload Option....148
907.1 Hostile Environment Package - View 1....150
908.1 Hostile Environment Package - View 2....152
909.1 Drive Lights....154
910.1 Tow Package....156
911.1 Aircraft Protection Package, Standard (from SN 37297 to 51049)....158
912.1 Aircraft Protection Package, Deluxe (from SN 37297 to 51049)....160
912.2 Aircraft Protection Package (from SN 51050)....162
912.3 Aircraft Protection Package With Swing Gate (from SN Z4514A-51050)....164
913.1 Pipe Cradle Accessory....166
914.1 Fall Arrest Bar....168
915.1 Operators Protection Alarm (to January 2017)....170
915.2 Lift Guard Contact Alarm (from January 2017)....172
916.1 Operator Protective Structure....174
917.1 Panel Cradle Option....176

Indices
Part Number Index....178
Part Description Index....184

Cross References
Fittings Cross Reference....194

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 E2BGNI-1, E3B-1 MODELS** —	
--	52816GT	BELT,FAN,KUBOTA DF972/Z482-E	
--	52867GT	FILTER,AIR***	
--	52877GT	FILTER,FUEL FILTER Z482-E	
--	60112GT	ALTERNATOR BELT	
--	866400GT	KUBOTA OIL FILTER	
4		— **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.
--	228946GT	ASSY,LED,IES CHARGER	
--	228947GT	CLIP,RETAINING,IES CHARGER	
1	128375GT	CHARGER 48V/30A AUTO AC X-LED *(includes item 6) (order power cord separately)*	1
--	133286GT	DECAL, POWER TO CHARGER, UNIV	1
--	139857GT	HARN.CHARGER INTERLOCK Z45 *(not shown)(option)*	1
2		Ref. Chassis	
3	6326GT	SCREW,HHC,3/8-16 X 3	
4	6097GT	WASHER,FLAT,USS,3/8",Y	
5	4828GT	NUT,NYLOCK,3/8-16	
6	228973GT	KIT,ASSY,LED,IES CHARGER	1
7A	1280665GT	PLUG, TYPE F, 230A, 50HZ, 16A, IP44 *Euro 220V*	1
7B	144161GT	PLUG,PWR,UK,16AMP,3PIN,BLK *UK 110V*	
7C	25388GT	PLUG,FUSED,250V,13AMP,U.K.** *UK 220V*	
8A	128118GT	BUSHING,STRAIN RELIEF,.875/.40 *(domestic)*	
8B	139318GT	BUSHING,STRAIN RELIEF,.875/.30 *(UK)*	
9	128825GT	BRACKET, CHARGER CORD AND LED	
10A	128645GT	CORD AC IEC320-C19 TO 220EU *EU 220V*	
10B	128377GT	CORD AC IEC320-C19 TO 110US *US 110V*	

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.
1	48504GT	MOTOR,FUNCTION,48V DC	1
2	44750GT	SPRING-BRUSH,40844, SCISSORS	
3	58936GT	BRUSH COVER -PLATE-(48504)*	1
4	58932GT	BRUSH SET 4 EA.	1
5	52913GT	SCREW,HH TAPETITE THRD8-32X.50	
6	52914GT	SCREW,HHTAPTITE THREAD8-32X.38	
7	32317GT	SCREW,HHC,3/8-24 X 1 GR 8 YEL	
8	6021GT	WASHER,LOCK,.375	
9	77981GT	PUMP,LIFT,3CC,CCW***	1
--	77990GT	KIT,SEAL,3CC PUMP***	

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