A TEREX BRAND

Parts Manual

Serial Number Range

Z-80/60

from SN Z8003-101 to
Z8016-5829

and from Z8016H-5830 to
Z8016H-6399

Part No. 88618

Rev H4

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....9
How to Order Parts....10
Service Parts Fax Order Form....11

Electronic Version

Click on any page number to view the figure.

001 Parts Stocking List
001.1 Parts Stocking List....12

100 Decals
101.1 Decals with Word, Hydraulic Tank Side / Non-Steer End....16
102.1 Decals with Word, Engine Side / Steer End....20
103.1 Decals with Word, Booms....22
104.1 Decals with Word, Platform....24
105.1 Decals with Symbols, Hydraulic Tank Side / Non-Steer End....26
106.1 Decals with Symbols, Engine Side / Steer End....28
107.1 Decals with Symbols, Booms....30
108.1 Decals with Symbols, Platform....32

200 Drive Chassis Components
201.1 2WD Steer Axle Linkage....34
202.1 4WD Steer Axle Linkage (to SN 3225)....36
202.2 4WD Steer Axle Linkage (from SN 3226)....40
203.1 Front Steer Axle (to SN 3225)....42
203.2 Front Steer Axle (from SN 3226)....44
204.1 Axle Installation....46
205.1 Drive Chassis and Axle Counterweights....50
206.1 Drive Hub Assembly with Brake - Type 1 (from SN 3226)....52
207.1 Drive Hub Assembly with Brake - Type 2 (from SN 3156)....54

300 Turntable Components
301.1 Hydraulic and Fuel Tanks....56
301.2 Hydraulic and Fuel Tanks - Gasoline/LPG Models (from SN 966 to 3200)....60
301.3 Hydraulic and Fuel Tanks - Gasoline/LPG Models (from SN 3201)....64
302.1 Turntable Rotator and Hydraulic Rotary Coupler Installation....68
303.1 Ground Control Box - View 1....74
303.2 Ground Control Box - View 2....78
304.1 Ground Controls Box (Perkins 404F-22T and Deutz TD 2.9L4) - View 1....80
304.2 Ground Controls Box (Perkins 404F-22T and Deutz TD 2.9L4) - View 2....82
305.1 Turntable Covers....84
306.1 Turntable Components, Engine Side....86
307.1 Turntable Components - Relay Panel (to SN 338)....88
307.2 Turntable Components - Relay Panel (from SN 339)....90

400 Engine Components
401.1 Perkins 704-30 Engine - View 1 (to SN 328)....92
402.1 Perkins 704-30 Engine - View 2 (to SN 328)....94
403.1 Perkins 704-30 Engine - View 3 (to SN 328)....96
404.1 Perkins 704-30 Engine - View 4 (to SN 328)....98
405.1 Perkins 804D-33 Engine - View 1 (from SN 329)....100
406.1 Perkins 804D-33 Engine - View 2 (from SN 329)....102
407.1 Perkins 804D-33 Engine - View 3 (from SN 329)....104
408.1 Perkins 404F-22T Engine - View 1....106
409.1 Perkins 404F-22T Engine - View 2....110
410.1 Perkins 404F-22T Engine - View 3....112
411.1 Perkins 404F-22T Engine - View 4....114
412.1 Deutz F4L-913 Engine - View 1 (to SN 338)....116
413.1 Deutz F4L-913 Engine - View 2 (to SN 338)....118
414.1 Deutz F4L-913 Engine - View 3 (to SN 338)....120
415.1 Deutz F4L-913 Engine - View 4 (to SN 338)....122
416.1 Deutz BF4L-2011 / TD2011-L04i Engine - View 1 (from SN 339)....124
417.1 Deutz BF4L-2011 / TD2011-L04i Engine - View 2 (from SN 339)....128
418.1 Deutz TD 2.9L4 Engine - View 1....130
419.1 Deutz TD 2.9L4 Engine - View 2....132
420.1 Deutz TD 2.9L4 Engine - View 3....134
421.1 Deutz TD 2.9L4 Engine - View 4....136
422.1 GM 3.0L EFI Engine - View 1 (to SN 995)....138
423.1 GM 3.0L EFI Engine - View 2 (to SN 995)....140
424.1 Ford LRG-425 EFI Engine - View 1....142
425.1 Ford LRG-425 EFI Engine - View 2....144
426.1 Ford LRG-425 EFI Engine - View 3....146
427.1 Ford LRG-425 EFI Engine - View 4....148
428.1 Continental TME-27 Engine - View 1....150
429.1 Continental TME-27 Engine - View 2....152

MidWestTech | Terex Genie Z-80/60 Articulated Boom Lift Parts Manual | Publication 88618 Order the manual at mid-west-tech.com >

430.1 Continental TME-27 Engine - View 3.....154
431.1 Engine Tray and Battery.....158
432.1 GM 3.0L Engine - View 1 (from SN 6086).....160
433.1 GM 3.0L Engine - View 2 (from SN 6086).....162
434.1 GM 3.0L Engine - View 3 (from SN 6086).....164
435.1 GM 3.0L Engine - View 4 (from SN 6086).....166

500 Boom Components

501.1 Primary and Secondary Lift Cylinders and Linkage.170
502.1 Primary Boom and Cable Track - View 1.....172
503.1 Primary Boom and Cable Track - View 2.....174
504.1 Secondary Boom.....176
505.1 Jib Boom and Platform Rotator.....178
506.1 Riser Hose Bulkhead Mount.....180

600 Platform Components

601.1 Platform Installation (to SN 6075).....182
601.2 Platform Installation (from SN 6076).....186
602.1 Platform Controls - View 1 (to SN 4591).....188
603.1 Platform Controls - View 2 (to SN 4591).....190
604.1 Toggle Switch Lid Option (to SN 4591).....192
605.1 Platform Controls (from SN 4592).....194
605.2 Platform Controls, Perkins 404F-22T and Deutz TD2.9L4.....198
606.1 Joysticks (to SN 1166).....200
606.2 Joysticks (from SN 1167).....202

700 Hydraulic Components

701.1 2WD Traction Manifold.....204
702.1 2WD Steer/Oscillate Manifold (to SN 989).....206
702.2 2WD Steer/Oscillate Manifold (from SN 990).....208
703.1 4WD Traction Manifold.....210
704.1 4WD Steer/Oscillate Manifold (to SN 989).....212
704.2 4WD Steer/Oscillate Manifold (from SN 990).....216
705.1 Function Manifold - View 1.....220
706.1 Function Manifold - View 2.....222
707.1 Platform Manifold (to SN 3025).....224
707.2 Platform Manifold (from SN 3026).....226
708.1 Platform Rotate Manifold.....228
709.1 Remote Pilot Manifold (to SN 2674).....230
710.1 Pumps.....232
711.1 Hydraulic Hoses and Fittings - Steer System.....234
712.1 Hydraulic Hoses and Fittings - Drive System, 2WD Models.....236
713.1 Hydraulic Hoses and Fittings - Drive System, 4WD Models (to SN 538).....238
713.2 Hydraulic Hoses and Fittings - Drive System, 4WD Models (from SN 539 to 957).....240
713.3 Hydraulic Hoses and Fittings - Drive System, 4WD Models (from 958).....242
714.1 Hydraulic Hoses and Fittings - Turntable Components.....244
715.1 Hydraulic Hoses and Fittings - Boom Components..246

800 Accessories

801.1 Alarm and Beacon Package, Driving Lights.....248
802.1 Platform Accessories (to SN 6075).....250
802.2 Platform Accessories (from SN 6076).....254
803.1 Ground and Platform Control Box Covers.....256
804.1 Hostile Environment Package - Primary and Secondary Boom Wipers.....258
805.1 Hostile Environment Package - Turntable.....260
806.1 Hostile Environment Package - Cylinder Bellows.....262
807.1 Hostile Environment Package - Engine Air Cleaners.264
807.2 Engine Air Cleaners (Perkins 404F-22T and Deutz TD 2.9L4).....266
808.1 Panel Cradle Option.....268
809.1 Platform Overload - European Models.....270
810.1 Belt Driven Generator Option - View 1 (to SN 3139).272
811.1 Belt Driven Generator Option - View 2 (to SN 3139).274
812.1 Air Line to Platform.....276
813.1 Welder Option - Hydraulic Generator, Chassis Components.....278
814.1 Welder Option, Hoses and Fittings.....280
815.1 Welder Option, Platform Components.....282
816.1 Hydraulic Generator Option, Continental TME-27 Engine (to SN 3139).....284
817.1 Hydraulic Generator Option, Continental TME-27 Engine, Hoses and Fittings (to SN 3139).....286
818.1 Hydraulic Generator Option (MTE) (from SN 3140).288
819.1 Hydraulic Generator Option (MTE), Hoses and Fittings (from SN 3140).....290
820.1 Cold Start Package (to SN 4370).....292
820.2 Cold Start Package (from SN 4371).....294
821.1 Half-Mesh and Pipe Cradle Options.....296
822.1 Spare LPG Tank Carrier Option.....298
823.1 Operators Protection Alarm (to January 2017).....300
823.2 Lift Guard Contact Alarm Option (from January 2017).....302
824.1 Aircraft Protection Package, Standard (from SN 2463 to 4800).....304
825.1 Aircraft Protection Package, Deluxe (from SN 2463 to 4800).....306
825.2 Aircraft Protection Package (from SN 4801).....308
826.1 Operator Protection Structure (from SN 142).....310
827.1 Fall Arrest Bar.....312

Indices

MidWestTech | Terex Genie Z-80/60 Articulated Boom Lift Parts Manual | Publication 88618 Order the manual at mid-west-tech.com >

Table of Contents (continued)

Part Number Index.....314
Part Description Index.....325

Cross References
Fittings Cross Reference.....342

MidWestTech | Terex Genie Z-80/60 Articulated Boom Lift Parts Manual | Publication 88618 Order the manual at mid-west-tech.com >

302.1 Turntable Rotator and Hydraulic Rotary Coupler Installation (continued)

Item	Part No.	Description	Qty.
32	6095GT	WASHER,FLAT,USS,1/2",Y	
33	4828GT	NUT,NYLOCK,3/8-16	

MidWestTech | Terex Genie Z-80/60 Articulated Boom Lift Parts Manual | Publication 88618 Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
--	122097GT	MANIFOLD,4 WHEEL STEER/OSC. *Complete*	
--	88113GT	MANIFOLD,OSCILLATE *includes items 5, 6, and 8*	
--	122133GT	4WS MANIFOLD W/O OSC. *includes items 1-4, 7, and 9-31*	
1	77492GT	VALVE,SOLENOID 3 POS 4 WAY *KA, Steer left/right, square end right side steer cylinder; from SN 990 to 1300*	
--	72047GT	SEAL KIT, SOLENOID VALVE *(use with part 77492); from 990 to SN 1300*	
--	52943GT	NUT,SOLENOID VALVE COIL *(use with part 77492); from 990 to SN 1300*	
--	122121GT	SOLENOID VALVE *from SN 1301*	
--	122120GT	SEAL KIT,SOLENOID VALVE *(use with part 122121); from SN 1301*	
--	122148GT	COIL,SOLENOID VALVE,20W *(use with part 122121); from SN 1301*	
2	122121GT	SOLENOID VALVE *KB, Steer left/right, square end left side steer cylinder*	
--	122120GT	SEAL KIT,SOLENOID VALVE	
--	122148GT	COIL,SOLENOID VALVE,20W	
--	52943GT	NUT,SOLENOID VALVE COIL	
3	27807GT	VALVE,CHECK*** *KC, Load sensing circuit, circle end right side steer cylinder retract*	
--	110200GT	SEAL KIT, VALVE, #4	
4	77490GT	VALVE,CHECK 65 PSI,(88115) *KD, Prevents steer cylinder from moving when not steering*	
5	77493GT	VALVE,SOLENOID 2 POS.3 WAY *KE, Oscillate cylinder, left side*	
--	52943GT	NUT,SOLENOID VALVE COIL	
--	72043GT	SEAL KIT,SOLENOID VALVE	
6	77493GT	VALVE,SOLENOID 2 POS.3 WAY *KF, Oscillate cylinder, right side*	
--	52943GT	NUT,SOLENOID VALVE COIL	
--	72043GT	SEAL KIT,SOLENOID VALVE	
7	77490GT	VALVE,CHECK 65 PSI,(88115) *KG, Prevents steer cylinder from moving when not steering*	
8	77494GT	VALVE,RELIEF 750 PSI (88113) *KH, Oscillate circuit*	
9	19470GT	VALVE,FLOW REGULATOR *KI, Circle end, left-side steer cylinder extend circuit*	
--	74902GT	SEAL KIT	
10	27051GT	VALVE,FLOW REGULATOR *KJ, Circle end, left-side steer cylinder retract circuit; from SN 1301*	
--	19470GT	VALVE,FLOW REGULATOR *from 990 to SN 1300*	
--	74902GT	SEAL KIT	
11	27051GT	VALVE,FLOW REGULATOR *KK, Circle end, right-side steer cylinder retract circuit; from SN 1301*	
--	19470GT	VALVE,FLOW REGULATOR *from 990 to SN 1300*	
--	74902GT	SEAL KIT	
12	19470GT	VALVE,FLOW REGULATOR *KL, Circle end, right-side steer cylinder extend circuit*	
--	74902GT	SEAL KIT	
13	27807GT	VALVE,CHECK*** *KM, Load sensing circuit, circle end left side steer cylinder retract*	
--	110200GT	SEAL KIT, VALVE, #4	
14	27807GT	VALVE,CHECK*** *KN, Load sensing circuit, circle end left side steer cylinder extend*	
--	110200GT	SEAL KIT, VALVE, #4	
15	27807GT	VALVE,CHECK*** *KO, Load sensing circuit, circle end right-side steer cylinder extend*	
--	110200GT	SEAL KIT, VALVE, #4	
16	122121GT	SOLENOID VALVE *KP, Steer left/right, circle end left-side steer cylinder*	
--	122120GT	SEAL KIT,SOLENOID VALVE	
--	122148GT	COIL,SOLENOID VALVE,20W	
--	52943GT	NUT,SOLENOID VALVE COIL	
17	122121GT	SOLENOID VALVE *KQ, Steer left/right, circle end right-side steer cylinder*	
--	122120GT	SEAL KIT,SOLENOID VALVE	
--	122148GT	COIL,SOLENOID VALVE,20W	
--	52943GT	NUT,SOLENOID VALVE COIL	
18	27051GT	VALVE,FLOW REGULATOR *KR, Square end, left-side steer cylinder retract circuit; from SN 1301*	
--	19470GT	VALVE,FLOW REGULATOR *from 990 to SN 1300*	
--	74902GT	SEAL KIT	
19	27807GT	VALVE,CHECK*** *KS, Load sensing circuit, square end left-side steer cylinder retract*	
--	110200GT	SEAL KIT, VALVE, #4	

MidWestTech | Terex Genie Z-80/60 Articulated Boom Lift Parts Manual | Publication 88618 Order the manual at mid-west-tech.com >

802.1 Platform Accessories (to SN 6075) (continued)

Item	Part No.	Description	Qty.
23	6356GT	WASHER,LOCK,.25	

MidWestTech | Terex Genie Z-80/60 Articulated Boom Lift Parts Manual | Publication 88618 Order the manual at mid-west-tech.com >