Genie®
A TEREX BRAND

Parts Manual

Serial Number Range

Z-135/70

From SN 100 to 2000

Part No. 106877
Rev H2
November 2018

MidWestTech | Terex Genie Z-135/70 Articulated Boom Lift Parts Manual | Publication 106877
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
101.1 Word Decals....10
102.1 Symbol Decals....14

200 Drive Chassis
201.1 Top View....16
202.1 Steer Yoke, Wheel Drive and Motor....18
203.1 Steer Sensor and Steer Cylinder....20
204.1 Chassis Components, Yellow Triangle Side....22
205.1 Chassis Components, Blue Triangle Side....24

300 Turntable Components
301.1 Tank Side Covers....26
302.1 Engine Side Covers....28
303.1 Engine Compartment Components....30
304.1 Hydraulic Tank Side Components....32
305.1 Ground controls....36
306.1 Turntable Center Components....38
307.1 Secondary Boom Lift Cylinder....42
308.1 Wire Harness Diagram....44

400 Engine Components
401.1 Cummins B4. 5L Engine, View 1 (to SN 950)....46
401.2 Cummins B3.3T Engine, View 1 (from SN 951)....48
402.1 Cummins B4.5L Engine, View 2 (to SN 950)....50
402.2 Cummins B3.3T Engine, View 2 (fromSN 951)....52
403.1 Deutz BF4L 2011 / TD2011L04i Engine, View 1....54
404.1 Deutz BF4L 2011 / TD2011L04i Engine, View 2....56
405.1 Perkins 1104C-44 Engine, View 1 (to SN 952)....60
405.2 Perkins 804D-33T Engine, View 1 (from SN 953)....62
406.1 Perkins 1104C-44 Engine, View 2 (to SN 952)....64
406.2 Perkins 804D-33T Engine, View 2 (from SN 953)....66

500 Boom Components
501.1 Secondary Boom Tube Reference....68
502.1 Secondary Boom Tube 1 (to SN 1853)....70
502.2 Secondary Boom Tube 1 (from SN 1854)....72
503.1 Secondary Boom Tube 2....74
504.1 Secondary Boom Tube 3....76
505.1 Secondary Boom Tube 4....78
506.1 Secondary Boom Extension Cylinders....80
507.1 Secondary Boom Cable Track and Pull Tube....82
508.1 Secondary Boom Cable and Hose Clamps, Front View....84
509.1 Secondary Boom Cable and Hose Clamps, Rear View....86
510.1 Primary Boom Link, Lever and Lift Cylinder (to SN 359)....88
510.2 Primary Boom Link, Lever and Lift Cylinder (from SN 360)....90
511.1 Primary Boom Angle Sensor and Retract Limit Switch (to SN 1853)....92
511.2 Primary Boom Angle Sensor and Retract Limit Switch (from SN 1854)....94
512.1 Primary Boom Cable Track....96
513.1 Primary Boom Bearings and Wear Pads....98
514.1 Primary Extension Boom....100
515.1 Bellcrank, Bellcrank Level Cylinder and Jib Boom Lift Cylinder (to SN 1853)....102
515.2 Bellcrank, Bellcrank Level Cylinder and Jib Boom Lift Cylinder (from SN 1854)....104
516.1 Jib Boom Cable Track....106
517.1 Jib Boom Extension and Platform Level Cylinders....108
518.1 Jib Boom Tubes and Wear Pads....110
519.1 Platform Rotator....112

600 Platform Components
601.1 Platform Mount....114
602.1 Platform Configurations....116
603.1 Platform Control Box, View 1....118
604.1 Platform Control Box, View 2....120
605.1 Toggle Switch Lid Option....122
606.1 Joysticks....124

700 Hydraulic Components
701.1 Traction Manifold, View 1....126
702.1 Traction Manifold, View 2....128
703.1 Steer/Axle Manifold....130
704.1 Jib Manifold....132
705.1 Function Manifold, View 1 (to SN 439)....134

MidWestTech | Terex Genie Z-135/70 Articulated Boom Lift Parts Manual | Publication 106... Order the manual at mid-west-tech.com >

705.2 Function Manifold, View 1 (from SN 440).....136
706.1 Function Manifold, View 2 (to SN 439).....138
706.2 Function Manifold, View 2 (from SN 440).....140
707.1 Function Enable Valve and Platform Rotator Manifold.....142
708.1 Platform Manifold.....144
709.1 Hydraulic Hoses and Fittings, Drive System.....146
710.1 Hydraulic Hoses and Fittings, Steering System.....148
711.1 Hydraulic Hoses and Fittings, Turntable Components.....150
712.1 Hydraulic Hoses and Fittings, Boom Components...152
713.1 Hydraulic Hoses and Fittings, Platform Components.154
714.1 Pumps.....156

800 Accessories
801.1 Platform Accessories.....158
802.1 Hostile Enviroment Option - Secondary Boom Wipers.....162
802.2 Hostile Enviroment Option - Primary and Jib Boom Wipers, Cable Track Covers.....164
803.1 Hostile Enviroment Option - Bellows Installation.....166
804.1 Load Sense.....168
805.1 Belt Driven Generator, Deutz Models.....170
806.1 Belt Driven Generator, Cummins Models.....172
807.1 Belt Driven Generator,Perkins Models.....174
808.1 Air Line to Platform.....176
809.1 Circuit Board Heater Option.....178
810.1 Hostile Environment Option - Engine Air Cleaners (to SN 952).....180
810.2 Hostile Environment Option - Engine Air Cleaners (from SN 953).....182
811.1 Cold Start Package.....184
812.1 Welder Option - Chassis Components.....186
813.1 Welder Option - Platform Components.....190
814.1 Welder Option - Hydraulic Hoses and Fittings.....192
815.1 Welder Option - Generator Components.....194
816.1 Hydraulic Generator Option.....196
817.1 Hydraulic Hoses and Fittings, Hydraulic Generator Option.....198
818.1 Boom Latch Kit.....200
819.1 Aircraft Protection Package (from 1071).....202
820.1 Operator Protection Structure.....204
821.1 Fall Arrest Bar.....206

Indices
Part Number Index.....208
Part Description Index.....215

Cross References
Fittings Cross Reference.....226

MidWestTech | Terex Genie Z-135/70 Articulated Boom Lift Parts Manual | Publication 106... Order the manual at mid-west-tech.com >

101.1 Word Decals (continued)

Item	Part No.	Description	Qty.
56	219160GT	DECAL, INSTRUCTION, OPS.....1 *option*	
57	97579GT	DECAL,DANGER,TIP-OVER,WELDER** *welder option*	
58	82862GT	DECAL,FIRE EXTINGUISHER *welder option*	

MidWestTech | Terex Genie Z-135/70 Articulated Boom Lift Parts Manual | Publication 106... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
1	87070GT	FILTER ASSY,SAE 12 NO INDICAT*.....	1
--	1259055GT	FILTER ELEMENT, 10 MICRON *Genie aftermarket*	
--	131323GT	FILTER ELEMENT,10 MICRON *Genie genuine part*	
2	6175GT	SCREW,HHC,3/8-16 X 1	
3	6097GT	WASHER,FLAT,USS,3/8",Y	
4	4828GT	NUT,NYLOCK,3/8-16	
5	70516PGT	BRKT,MED & RETURN FILTER,PTD.....	1
6	8255GT	SCREW,HHC,3/8-16 X .75	
7	6021GT	WASHER,LOCK,.375	
8	6090GT	SCREW,HHC,1/4-20 X .75	
9	6356GT	WASHER,LOCK,.25	
10	60334GT	FILTER ASSY,HIGH PRESS SAE-12*.....	1
--	58222GT	O-RING,FILTER ASSY (60334)***	
--	58223GT	SEAL,FILTER ASSY (60334)***	
--	60857GT	FILTER,ELEMENT,BETA(5)=1000	
11A	1255768GT	SWING DRIVE ASSEMBLY *(Complete) swing drive 1255768 can be installed as a direct replacement of previous swing drives 139189 or 88921*	
--	1255769GT	SEAL KIT, SWING BRAKE *(Used on swing drive 1255768)*	
--	1255770GT	KIT, FRICTION DISC *(Used on swing drive 1255768)*	
--	1255771GT	KIT, BRAKE SPRING *(Used on swing drive 1255768)*	
--	1255772GT	KIT, SWING BRAKE REBUILD *(Used on swing drive 1255768)*	
--	1255773GT	BRAKE TUBING *(Used on swing drive 1255768)*	
--	139308GT	SWING MOTOR COMPLETE*** *(Used on swing drive 1255768)*	
--	139309GT	CBV ASSEMBLY*** *(Used on swing drive 1255768)*	
--	139315GT	O-RING,MOTOR/BRAKE*** *(Used on swing drive 1255768)*	
--	139323GT	VALVE,COUNTERBAL,CBCA-LIN*** *(Used on swing drive 1255768)*	
--	41489GT	SCREW,SHC,5/16-18 X 2,PLATED *manifold to motor,*	
--	58304GT	SHAFT,OUTPUT *(Used on swing drive 1255768)*	
--	6886GT	WASHER,LOCK,.313 *manifold to motor*	
11B		Ref. SWING DRIVE ASSEMBLY *Previous SWING DRIVE ASSEMBLY 139189 is no longer available, order complete assembly 1255768 for first time replacement; from SN 1140*	

Item	Part No.	Description	Qty.
--	139308GT	SWING MOTOR COMPLETE*** *use with swing drive 139189; from SN 1140*	
--	139309GT	CBV ASSEMBLY*** *use with swing drive 139189; from SN 1140*	
--	139310GT	BRAKE TUBING*** *use with swing drive 139189; from SN 1140*	
--	139311GT	KIT,FRICTION DISC*** *use with swing drive 139189; from SN 1140*	
--	139312GT	KIT,BRAKE SPRING*** *use with swing drive 139189; from SN 1140*	
--	139313GT	SEAL KIT,SWING BRAKE*** *use with swing drive 139189; from SN 1140*	
--	139314GT	KIT,SWING BRAKE REBUILD*** *use with swing drive 139189; from SN 1140*	
--	139315GT	O-RING,MOTOR/BRAKE*** *use with swing drive 139189; from SN 1140*	
--	139323GT	VALVE,COUNTERBAL,CBCA-LIN*** *use with swing drive 139189; from SN 1140*	
--	21148GT	WASHER,THRUST,TORQUE HUB *use with swing drive 139189; from SN 1140*	
--	29290GT	SEAL KIT,FAIRFIELD (S1A2)*** *does not include thrust washer part 21148 (used on swing drive 139189); from SN 1140*	
--	41489GT	SCREW,SHC,5/16-18 X 2,PLATED *manifold to motor,*	
--	58304GT	SHAFT,OUTPUT *use with swing drive 139189; from SN 1140*	
--	58596GT	BEARING KIT,OUTER (88921) *use with swing drive 139189; from SN 1140*	
--	58597GT	BEARING KIT,INNER (88921) *use with swing drive 139189; from SN 1140*	
--	6886GT	WASHER,LOCK,.313 *manifold to motor*	
--	83124GT	DRAIN PLUG *use with swing drive 139189; from SN 1140*	
--	94620GT	SEAL KIT,SWING TORQ HUB*** *use with swing drive 139189; from SN 1140*	
11C		Ref. SWING DRIVE ASSEMBLY *Previous SWING DRIVE ASSEMBLY 88921 is no longer available, order complete assembly 1255768 for first time replacement; to SN 1139*	
--	21148GT	WASHER,THRUST,TORQUE HUB *use with swing drive 88921; to SN 1139*	
--	29290GT	SEAL KIT,FAIRFIELD (S1A2)*** *does not include thrust washer part 21148 (used with swing drive 88921); to SN 1139*	
--	41489GT	SCREW,SHC,5/16-18 X 2,PLATED *manifold to motor,*	
--	45483GT	VALVE,SHUTTLE*** *use with swing drive 88921; to SN 1139*	

MidWestTech | Terex Genie Z-135/70 Articulated Boom Lift Parts Manual | Publication 106... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
--	119412GT	MANIFOLD,FUNCTION *Complete*	
1	107747GT	VALVE,CHECK,5 PSI *DB , Auxiliary Power Unit*	
--	56236GT	O-RING,ORFS,-10	
2	27836GT	VALVE,CHECK,5 PSI *W , Pressure circuit*	
--	110194GT	SEAL KIT, VALVE, #10	
3	27802GT	VALVE,DIFFERENTIAL SENSING*** *O , Primary up/down circuit*	
--	110197GT	SEAL KIT, VALVE, #10	
4	107749GT	VALVE, RELIEF, 2600 PSI *E , Primary extend/retract circuit*	
--	74902GT	SEAL KIT	
5	107754GT	VALVE,PROPORTIONAL *P , Primary up/down circuit*	
--	110198GT	SEAL KIT, VALVE, #12	
--	45912GT	NUT,SOLENOID VALVE 2P3W	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
6	107753GT	VALVE,PROPORTIONAL *R , Primary extend/retract circuit*	
--	45921GT	RETAINER-N.C.PROPOR.SOLENOID	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
--	89310GT	SEAL KIT, SOLENOID VALVE	
7	107752GT	VALVE,PROPORTIONAL *V , Secondary extend/retract circuit*	
--	110198GT	SEAL KIT, VALVE, #12	
--	45912GT	NUT,SOLENOID VALVE 2P3W	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
8	107750GT	VALVE,PROPORTIONAL *T , Secondary up/down circuit*	
--	110198GT	SEAL KIT, VALVE, #12	
--	45912GT	NUT,SOLENOID VALVE 2P3W	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
9	107753GT	VALVE,PROPORTIONAL *N , Turntable rotate circuit*	
--	45921GT	RETAINER-N.C.PROPOR.SOLENOID	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
--	89310GT	SEAL KIT, SOLENOID VALVE	
10	27802GT	VALVE,DIFFERENTIAL SENSING*** *M , Turntable rotate circuit*	
--	110197GT	SEAL KIT, VALVE, #10	
11	107751GT	VALVE, CHECK, 5 PSI *DD , Prevents hydraulic pressure from flowing back into function pump*	
--	29029GT	SEAL KIT,19920 HAND PUMP	
12	107747GT	VALVE,CHECK,5 PSI *DC , Auxiliary Power Unit*	

Item	Part No.	Description	Qty.
--	56236GT	O-RING,ORFS,-10	

MidWestTech | Terex Genie Z-135/70 Articulated Boom Lift Parts Manual | Publication 106... Order the manual at mid-west-tech.com >