A TEREX BRAND

Parts Manual

Serial Number Range

S-80X

S-80

S-85

from SN S80H-14098 to
S80H-15000

Part No. 1263385GT

Rev A5

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 Decals with Words, Hydraulic Tank Side - View 1....12
102.1 Decals with Words, Hydraulic Tank Side - View 2....14
103.1 Decals with Words, Engine Side....16
104.1 Decals with Words, Boom....18
105.1 Decals with Words, Platform....20
106.1 Decals with Symbols, Hydraulic Tank Side - View 1....22
107.1 Decals with Symbols, Hydraulic Tank Side - View 2....24
108.1 Decals with Symbols, Engine Side....26
109.1 Decals with Symbols, Boom....28
110.1 Decals with Symbols, Platform....30

200 Drive Chassis Components
201.1 Steer End....32
202.1 Axle Installation....34
203.1 Oscillation Control Valve....36
204.1 Hub Assembly - 2 WD Spindle....38
205.1 Drive Hub Assembly with Brake - Type 1....40
206.1 Drive Hub Assembly with Brake - Type 2....42

300 Turntable Components
301.1 Hydraulic and Fuel Tanks - Diesel Models....44
302.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models....46
303.1 Hydraulic Tank Side Components....48
304.1 Turntable Covers - Hydraulic Tank Side....50
305.1 Turntable Covers - Engine Side....52
306.1 Turntable Components and Swivel Drive Assembly....54
307.1 Turntable Center Components....56
308.1 Ground Control Box - View 1....58
309.1 Ground Control Box - View 2....60
310.1 Ground Control Box - Deutz TD2.9L4....62
311.1 Turntable Components - Relay Panel, Diesel Models....66
312.1 Turntable Components - Relay Panel, Gasoline/LPG Models....68
313.1 Turntable Components - Relay Panel, Deutz TD 2.9L4....70
314.1 Turntable Components - Relay Panel, Perkins 404D-22T....72
315.1 Turntable Counterweight....74
316.1 Wire Harness Diagram, S-80X and S-80....76
317.1 Wire Harness Diagram, S-85....80

400 Engine Components
401.1 Deutz TD2011L04i Engine - View 1....82
402.1 Deutz TD2011L04i Engine - View 2....84
403.1 Deutz TD2011L04i Engine - View 3....86
404.1 Deutz TD2011L04i Engine - View 4....88
405.1 Deutz TD 2.9L4 Engine - View 1....90
406.1 Deutz TD 2.9L4 Engine - View 2....92
407.1 Deutz TD 2.9L4 Engine - View 3....94
408.1 Deutz TD 2.9L4 Engine - View 4....96
409.1 GM 3.0L Engine - View 1....98
410.1 GM 3.0L Engine - View 2....100
411.1 GM 3.0L Engine - View 3....102
412.1 GM 3.0L Engine - View 4....104
413.1 Perkins 404D-22T Engine - View 1....106
414.1 Perkins 404D-22T Engine - View 2....108
415.1 Perkins 404D-22T Engine - View 3....110
416.1 Perkins 404D-22T Engine - View 4....112
417.1 Engine Tray....114

500 Boom Components
501.1 Cable Track Installation....116
502.1 Extension Boom Tube 1, S-80 and S-85....118
503.1 Extension Boom Tube 1, S-80X....120
504.1 Extension Boom Tube 2....122
505.1 Extension Boom Tube 3....124
506.1 Cable Assembly and Primary Extension Cylinder....126
507.1 Boom Link Assembly - View 1....128
508.1 Boom Link Assembly - View 2....130
509.1 Platform Rotator, S-80X and S-80....132
510.1 Jib Boom and Platform Rotator, S-85....134
511.1 Platform Installation....136

MidWestTech | Terex Genie S-80, S-80X, S-85 Telescopic Boom Lift Parts Manual | Public... Order the manual at mid-west-tech.com >

600 Platform Components
601.1 Platform Installation....138
602.1 Platform Control Box....140
603.1 Joysticks....144

700 Hydraulic Components
701.1 Traction Manifold....146
702.1 Two-Speed/Brake Manifold....148
703.1 Function Enable Valve and Platform Rotator Manifold....150
704.1 Platform Manifold, S-80X and S-80....152
705.1 Platform Manifold, S-85....154
706.1 Function Manifold....156
707.1 Oil Diverter Manifold (welder option)....158
708.1 Pumps....160
709.1 2WD Drive and Steer System....162
710.1 4WD Drive and Steer System....164
711.1 Oscillate System....166
712.1 Turntable Components....168
713.1 Boom, S-80X and S-80....172
714.1 Boom, S-85....174

800 Accessories
801.1 Alarm and Beacon Package, Driving Lights....176
802.1 Platform Options....178
803.1 Hostile Environment Package - Ground and Platform Control Box Covers....180
804.1 Hostile Environment Package - Booms....182
805.1 Hostile Environment Package - Turntable....184
806.1 Hostile Environment Package - Engine Air Cleaners....186
807.1 Hostile Environment Package - Cylinder Bellows, S-80, S-80X....188
808.1 Hostile Environment Package - Cylinder Bellows, S-85....190
809.1 Panel Cradle Option....192
810.1 Full Gauge Option....194
810.2 Full Gauge Option - Perkins 404D-22T....196
811.1 Hydraulic Oil Cooler Option....198
812.1 Half-Mesh and Pipe Cradle Option....200
813.1 Spare LPG Tank Option....202
814.1 Welder Option, Chassis Components - View 1....204
815.1 Welder Option, Platform Components - View 2....206
816.1 Welder Option, Hoses and Fittings - View 3....208
817.1 Platform Recirculating Hydraulic Oil Option....210
818.1 Belt Generator Option - View 1....212
818.2 Belt Generator Option (Perkins 404D-22T and Deutz TD 2.9L4) - View 1....214
819.1 Belt Generator Option - View 2....216
820.1 Platform Overload - European Models....218
821.1 Air Line and Weld Cables....220
822.1 Aircraft Protection Package....222
823.1 Operator Protection Structure....224
824.1 Cold Start Package....226
825.1 Arctic High Pressure Hose Kit, S-85....228
826.1 Arctic High Pressure Hose Kit, S-80, S-80X....230
827.1 Fall Arrest Bar....232
828.1 Lift Guard Contact Alarm Option (from January 2017)....234
829.1 Remote Charging Option....236
830.1 Tow Package....238
831.1 Telematics Option....240

Indices
Part Number Index....242
Part Description Index....249

Cross References
Fittings Cross Reference....260

MidWestTech | Terex Genie S-80, S-80X, S-85 Telescopic Boom Lift Parts Manual | Public... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
1	62920GT	DECAL,COSMETIC,GENIE S-80 *(S-80)*	1
2	62922GT	DECAL,COSMETIC,GENIE S-85 *(S-85)*	1
3	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH *(S-80X Only)*	3
4	147659GT	DECAL,COSM GENIE S80X *(S-80X)*	1

MidWestTech | Terex Genie S-80, S-80X, S-85 Telescopic Boom Lift Parts Manual | Public... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
--	121708GT	MANIFOLD,SWING S80/85,5 SEC *(complete)*	
1	122643GT	Valve-Solenid 2 Postion 3WA *(SJ, Boom up)*	
--	110198GT	SEAL KIT, VALVE, #12	
--	122652GT	COIL, D14E 10 VDC DED	
--	45921GT	RETAINER-N.C.PROPOR.SOLENOID	
2	89309GT	VALVE - SOLENOID 2POSITION 3WA *(SK, Boom down)*	
--	45912GT	NUT,SOLENOID VALVE 2P3W	
--	62275GT	Coil,10V	
--	89310GT	SEAL KIT, SOLENOID VALVE	
3	122649GT	VALVE,SOLENOID,NO,POPPET *(SP, Retract)*	
--	102940GT	NUT,SOLENOID VALVE	
--	111778GT	COIL,10V DC(D10,26 WATT)	
--	122657GT	Seal Kit	
4	122649GT	VALVE,SOLENOID,NO,POPPET *(SP, Extend)*	
--	102940GT	NUT,SOLENOID VALVE	
--	111778GT	COIL,10V DC(D10,26 WATT)	
--	122657GT	Seal Kit	
5	107753GT	VALVE,PROPORTIONAL *(SR, Extend/Retract proportional)*	
--	45912GT	NUT,SOLENOID VALVE 2P3W	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
--	89310GT	SEAL KIT, SOLENOID VALVE	
6	122651GT	VALV, DIFFERENTIAL SENSING *(SS, Boom extend)*	
--	122657GT	Seal Kit	
7	107752GT	VALVE,PROPORTIONAL *(SF, Boom up/down proportional)*	
--	110198GT	SEAL KIT, VALVE, #12	
--	45921GT	RETAINER-N.C.PROPOR.SOLENOID	
--	58303GT	COIL,VALVE,PROPORTIONAL***	
8	122647GT	SOLENOID VALVE SPOOL TYPE *(SL, Steering directional)*	
--	111778GT	COIL,10V DC(D10,26 WATT)	
--	122653GT	Coil Nut	
--	122657GT	Seal Kit	
9	102528GT	VALVE,PROPORTIONAL *(SE, Swing proportional)*	
--	102526GT	O-RING, PROPORTIONAL VALVE *(between coil and nut)*	
--	89312GT	SEAL KIT, SOLENOID VALVE	
--	89737GT	COIL,PROPORTIONAL VALVE***	
--	89738GT	NUT, PROPORTIONAL VALVE	
10	122645GT	SOLENOID VALVE,SPOOL TYPE *(SI, Swing directional)*	
--	102940GT	NUT,SOLENOID VALVE	
--	122120GT	SEAL KIT,SOLENOID VALVE	
--	89733GT	COIL,SOLENOID VALVE***	
11	19060GT	VALVE,FLOW REGULATOR *(SD, Oscilate flow control)*	
--	74902GT	SEAL KIT	
12	48415GT	VALVE,RELIEF *(SN, Boom down relief)*	
--	74902GT	SEAL KIT	
13	110209GT	VALVE, RELIEF, 2400 PSI *(SO, Boom extend relief)*	
--	74902GT	SEAL KIT	
14	122656GT	VALVE, CHECK, 30 PSI *(ST, Return check valve)*	
--	110194GT	SEAL KIT, VALVE, #10	
15	122650GT	VALV, DIFFERENTIAL SENSING *(SH, Primary lift)*	
--	122660GT	Seal Kit	
16	122646GT	BYPASS VALVE RELIEF *(SA, Back flow check function pump)*	
--	110194GT	SEAL KIT, VALVE, #10	
17	52715GT	VALVE,RELIEF 3200 PSI *(SB, System main relief)*	
--	74902GT	SEAL KIT	
18	122644GT	PRESSURE REDUCING VALVE *(SC, Oscilate pressure control)*	
19	52714GT	VALVE,DIFFERENTIAL SENSING *(SG, Differential sensing. TT rotate)*	
--	74902GT	SEAL KIT	
20	122641GT	VALVE,FLOW REGULATOR *(SM, Steering flow control)*	
--	74902GT	SEAL KIT	

MidWestTech | Terex Genie S-80, S-80X, S-85 Telescopic Boom Lift Parts Manual | Public... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
1	121316GT	COVER,RING GEAR,FRONT	1
2	6090GT	SCREW,HHC,1/4-20 X .75	
3	6638GT	WASHER,FLAT,USS,1/4"Y	
4	6091GT	NUT,NYLOCK,1/4-20	
5	121066GT	SCREW,HHC,FLG,3/8-16 X 1 GR8	6
6	121317GT	COVER,RING GEAR,REAR	1

MidWestTech | Terex Genie S-80, S-80X, S-85 Telescopic Boom Lift Parts Manual | Public... Order the manual at mid-west-tech.com >