A TEREX BRAND

Parts Manual

Serial Number Range

S-80X	from serial number S8008-8000 to S8016-13257
S-80	and from S8016H-13258 to S8016H-13999
S-85	from serial number S80H-14000 to S80H-14097

Part No. 111335

Rev E14

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 Words, S-80X and S-80 (to SN 8499)....14
102.1 Decals with Words, S-85 (to SN 8499)....18
103.1 Decals with Symbols, S-80X and S-80 (to SN 8499)..22
104.1 Decals with Symbols, S-85 (to SN 8499)....24
105.1 Decals with Words, Hydraulic Tank Side (from SN 8500)....26
106.1 Decals with Words, Engine Side (from SN 8500)....28
107.1 Decals with Words, Boom (from SN 8500)....30
108.1 Decals with Words, Platform (from SN 8500)....32
109.1 Decals with Symbols, Hydraulic Tank Side (from SN 8500)....34
110.1 Decals with Symbols, Engine Side (from SN 8500)....36
111.1 Decals with Symbols, Booms (from SN 8500)....38
112.1 Decals with Symbols, Platform (from SN 8500)....40

200 Drive Chassis Components
201.1 Steer End (to SN 8973)....42
201.2 Steer End (from SN 8974)....46
202.1 Axle Installation (to SN 8973)....50
202.2 Axle Installation (from SN 8974)....52
203.1 Oscillation Control Valve....54
204.1 Hub Assembly - 2 WD Spindler....56
205.1 Drive Hub Assembly with Brake - Type 1....58
206.1 Drive Hub Assembly with Brake - Type 2....60

300 Turntable Components
301.1 Hydraulic and Fuel Tanks - Diesel Models....62
302.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models....66
303.1 Ground Controls - View 1....70
303.2 Ground Controls - View 2....72
304.1 Ground Control - Deutz TD2.9L4....74
304.2 Ground Control - Perkins 404F-22T (to SN 13749)....78
304.3 Ground Control - Perkins 404D-22T - View 1 (from SN 13750)....82
304.4 Ground Control - Perkins 404D-22T- View 2 (from SN 13750)....84
305.1 Turntable Covers....86
306.1 Turntable Rotator and Hydraulic Rotary Coupler Install....88
307.1 Turntable Components - Relay Panel, Diesel Models (to SN 13749)....92
307.2 Turntable Components - Relay Panel, Deutz TD 2.9L4 (from SN 11346)....94
307.3 Turntable Components - Relay Panel, Perkins 404F-22T (from SN 11649 to SN 13749)....96
307.4 Turntable Components - Relay Panel, Perkins 404D-22T (from SN SN 13750)....98
308.1 Turntable Components - Relay Panel, Gasoline/LPG Models....100
309.1 Turntable Counterweight, S-80X and S-80....102
310.1 S-80X High Capacity....104
311.1 Turntable Counterweight, S-85....106
312.1 Wire Harness Diagram, S-80X and S-80....108
313.1 Wire Harness Diagram, S-85....112

400 Engine Components
401.1 Perkins 804D-33 Engine - View 1....116
402.1 Perkins 804D-33 Engine - View 2....118
403.1 Perkins 804D-33 Engine - View 3....120
404.1 Perkins 404F-22T Engine - View 1....122
405.1 Perkins 404F-22T Engine - View 2....126
406.1 Perkins 404F-22T Engine - View 3....128
407.1 Perkins 404F-22T Engine - View 4....130
408.1 Deutz TD2011L04i Engine - View 1....132
409.1 Deutz TD2011L04i Engine - View 2....136
410.1 Deutz TD 2.9L4 Engine - View 1....138
411.1 Deutz TD 2.9L4 Engine - View 2....140
412.1 Deutz TD 2.9L4 Engine - View 3....142
413.1 Continental TME-27 Engine - View 1....144
414.1 Continental TME-27 Engine - View 2....146
415.1 Continental TME-27 Engine - View 3....148
416.1 Engine Tray....150
417.1 GM 3.0L Engine - View 1....152
418.1 GM 3.0L Engine - View 2....154
419.1 GM 3.0L Engine - View 3....156

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

420.1 GM 3.0L Engine - View 4.....158
421.1 Perkins 404D-22T Engine - View 1.....162
422.1 Perkins 404D-22T Engine - View 2.....164
423.1 Perkins 404D-22T Engine - View 3.....166
424.1 Perkins 404D-22T Engine - View 4.....168

500 Boom Components

501.1 Cable Track Installation.....170
502.1 Extension Boom Tube 1.....172
502.2 Extension Boom Tube 1, S-80X (from SN 8500).....174
503.1 Extension Boom Tube 2.....176
504.1 Extension Boom Tube 3.....178
505.1 Cable Assembly and Primary Extension Cylinder.....180
506.1 Boom Link Assembly - View 1.....182
507.1 Boom Link Assembly - View 2.....184
508.1 Platform Rotator, S-80X and S-80.....186
509.1 Jib Boom and Platform Rotator, S-85.....188
510.1 Platform Installation.....190

600 Platform Components

601.1 Platform Installation (to SN 13581).....192
601.2 Platform Installation (from SN 13582).....196
602.1 Platform Controls, S-80X and S80 (to SN 12263).....198
603.1 Platform Controls, S-85 (to SN 12263).....200
604.1 Platform Control Box, S-80X and S-80 (to SN 12263).....202
605.1 Platform Control Box, S-85 (to SN 12263).....204
605.2 Platform Control Box, S-80, S-80X and S-85 (from SN 12264).....206
606.1 Joysticks.....210

700 Hydraulic Components

701.1 Traction Manifold (to SN 8580).....212
701.2 Traction Manifold (from SN 8581).....214
702.1 Two-Speed/Brake Manifold.....216
703.1 Function Enable Valve and Platform Rotator Manifold.....218
704.1 Platform Manifold, S-80X and S-80.....220
705.1 Platform Manifold, S-85.....222
706.1 Function Manifold.....224
707.1 Oil Diverter Manifold (welder option).....226
708.1 Pumps.....228
709.1 2WD Drive and Steer System.....230
710.1 4WD Drive and Steer System.....232
711.1 Oscillate System.....234
712.1 Turntable Components.....236
713.1 Boom, S-80X and S-80.....240
714.1 Boom, S-85.....242

800 Accessories

801.1 Alarm and Beacon Package, Driving Lights.....244
802.1 Platform Options (to SN 13581).....246
802.2 Platform Options (from SN 13582).....248
803.1 Hostile Environment Package - Ground and Platform Control Box Covers.....250
804.1 Hostile Environment Package - Booms, S-80X and S-80.....252
804.1 Hostile Environment Package - Booms, S-85.....254
805.1 Hostile Environment Package - Turntable.....256
806.1 Hostile Environment Package - Engine Air Cleaners.258
806.2 Engine Air Cleaners (Perkins 404F-22T and Deutz TD 2.9L4).....260
807.1 Hostile Environment Package - Cylinder Bellows, S-80X and S-80.....262
808.1 Hostile Environment Package - Cylinder Bellows, S-85.....264
809.1 Panel Cradle Option.....266
810.1 Dual Battery Option (to SN 8198).....268
811.1 Full Gauge Option - Deutz and Continental.....270
811.2 Full Gauge Option - Perkins.....272
812.1 Hydraulic Oil Cooler Option.....274
813.1 Half-Mesh and Pipe Cradle Option (to SN 13581).....276
813.2 Half-Mesh and Pipe Cradle Option (from SN 13582).278
814.1 Spare LPG Tank Option.....280
815.1 Welder Option, Chassis Components, S-80X and S-80 - View 1.....282
815.1 Welder Option, Chassis Components, S-85 - View 1.....284
816.1 Welder Option, Platform Components, S-80X and S-80 - View 2 (to SN 11204).....286
816.1 Welder Option, Platform Components, S-85 - View 2 (to SN 11204).....288
816.2 Welder Option, Platform Components - View 2 (from SN 11205).....290
817.1 Welder Option, Hoses and Fittings - View 3.....292
818.1 .1 Platform Recirculating Hydraulic Oil Option (from SN 9049).....294
819.1 Belt Generator Option - View 1.....296
819.2 Belt Generator Option (Perkins 404F-22T and Deutz TD 2.9L4) - View 1.....298
820.1 Belt Generator Option - View 2.....300
821.1 Platform Overload - European Models.....302
822.1 Air Line and Weld Cables.....304
823.1 Aircraft Protection Package, Standard (from SN 8126 to 11087).....306
824.1 Aircraft Protection Package, Deluxe (from SN 8126 to 11087).....308
824.2 Aircraft Protection Package (from SN 11088).....310

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

Table of Contents (continued)

825.1 Operator Protection Structure.....312
826.1 Cold Start Package (to SN 10193).....314
827.1 Cold Start Package (from SN 10194).....316
828.1 Arctic High Pressure Hose Kit, S-85.....318
829.1 Arctic High Pressure Hose Kit, S-80X and S-80.....320
830.1 Fall Arrest Bar.....322
831.1 Operators Protection Alarm (to January 2017).....324
831.2 Lift Guard Contact Alarm Option (from January 2017).....326
832.1 Remote Charging Option.....328

Indices
Part Number Index.....330
Part Description Index.....340

Cross References
Fittings Cross Reference.....356

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	1256466GT	SCREW,HHC,1-8X6.5,8,ZAG	
2	824116GT	WASHER, FLAT, F436, 1.0, ZAG	2
3	826794GT	NUT,TL,1-8,C,ZAG	
4	123376GT	EMBLEM,GENIE,12 IN *to SN 9022*	1
5	121439GT	SCREW,BH SEC,3/8-16X.75 SS *to SN 9022*	
6	121438GT	PLATE, GENIE LOGO MOUNT *to SN 9022*	1
7	121233GT	COUNTERWEIGHT,S85 *13,000 lbs*	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.
1	88785GT	MANIFOLD,BRAKE/2 SPD W/QD PLG* *(Complete); to SN 13038*	
2	94760GT	VALVE,SOLENOID,10V,W/OUT COIL* *BA, Brake release; to SN 13038*	
--	128419GT	Seal Kit *to SN 13038*	
--	94759GT	NUT,SOLENOID *to SN 13038*	
--	94765GT	COIL-10V DC*** *to SN 13038*	
3	94760GT	VALVE,SOLENOID,10V,W/OUT COIL* *BC, Two speed motor shift; to SN 13038*	
--	128419GT	Seal Kit *to SN 13038*	
--	94759GT	NUT,SOLENOID *to SN 13038*	
--	94765GT	COIL-10V DC*** *to SN 13038*	
4	94761GT	VALVE,CHECK *BB, Brake release circuit; to SN 13038*	
--	128420GT	Seal Kit *to SN 13038*	
5	94764GT	ORIFICE,0.025" *BD, Turntable rotaton brake release; to SN 13038*	
6	216602GT	MANIFOLD,BRAKE,2-SPEED *(Complete); from SN 13039*	
7	219245GT	ORIFICE PLUG .025 DIA. *BE, Turntable rotaton brake release; from SN 13039*	
8	35726GT	VALVE,HYDRAULIC CHECK *BF, Brake release circuit; from SN 13039*	
--	161145GT	SEAL KIT,CHECK VALVE 219246 *from SN 13039*	
9	219243GT	COIL, SOLENOID VALVE, 10V *BG, Brake release; from SN 13039*	
--	161144GT	SEAL KIT,SOLENOID VALVE 219247 *from SN 13039*	
--	219247GT	VALVE, SOLENOID *from SN 13039*	
--	94759GT	NUT,SOLENOID *from SN 13039*	
10	219243GT	COIL, SOLENOID VALVE, 10V *BH, Two speed motor shift; from SN 13039*	
--	161144GT	SEAL KIT,SOLENOID VALVE 219247 *from SN 13039*	
--	219247GT	VALVE, SOLENOID *from SN 13039*	
--	94759GT	NUT,SOLENOID *from SN 13039*	

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	119533PGT	FORMING,GENERATOR MOUNT,PTD	
2	60707GT	GENERATOR,3500W,120V,60HZ**	
--	89908GT	GENERATOR,3000W,220V,50HZ***	
3	4828GT	NUT,NYLOCK,3/8-16	
4	6097GT	WASHER,FLAT,USS,3/8",Y	
5	60790GT	BOLT, CARRIAGE, 3/8-16 X 1.50, G5	
6	8516GT	SCREW, HCC, 3/8-16 X 1.50	
7	81852GT	SCREW,HHC,7/16-14 X 1.75	
8	45400GT	SPACER TUBE,.50 LG	
9	20912GT	WASHER,LOCK,.437,PLTD.	
10	6083GT	NUT,HEX,7/16-14	
11	121688GT	SCREW,HHC,FLG,M14 X 35	
12	106535GT	BELT,AX33***	
13	70389GT	PULLEY,DEUTZ	
--	81069GT	SPACER,PULLEY,DEUTZ GEN	
14	25927GT	SCREW,HHC,M10 X 55MM,GRD 8.8 *(Perkins models)*	
--	22697GT	SCREW,HHC,M10 X 65MM,GR8.8 *(Deutz models)*	
15	22700GT	WASHER,LOCK,M10	
16	106740GT	COVER,REWORK,DEUTZ GENERATOR	
17	94600GT	BELT, (NAPA 9360)	
18	102346GT	PULLEY KIT,PERKINS 804	

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