A TEREX BRAND

Parts Manual

Serial Number Range

GTH-5021 R IIIA from SN GTH5021R14-101 to SN GTH5021R15B -127

Part No. 645060

Rev E

June 2018

MidWestTech | Terex Genie GTH-5021 R IIIA Articulated Boom Lift Parts Manual | Publication 645060

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 Decal
101.1 608735 Decals, View 1....12
102.1 608736 Decals, View 2....14
103.1 608885 Decals, View 3....16

200 Drive Chassis Components
201.1 608741 Basic Frame Chassis....18
202.1 608742 Engine Casing Unit....20
203.1 608743 Slewing Upper Structure - View 1....22
204.1 608744 Slewing Upper Structure - View 2....24
205.1 608746 Transmission And Wheels....26
206.1 608747 Hydraulic oil And Diesel Tanks....28
207.1 608748 Outriggers - View 1....30
208.1 608749 Outriggers - View 2....32
209.1 608750 Front Axle - Housing....34
210.1 608751 Front And Rear Axle - Differential....36
211.1 608752 Front And Rear Axle - Bevel Gear Set....38
212.1 608753 Front And Rear Axle - Double U Joint - Hub And Final Reduction....40
213.1 608754 Front And Rear Axle - Steering Cylinder And Swivel Housing....42
214.1 608755 Front And Rear Axle - Brakes....44
215.1 608756 Rear Axle - Housing....46
216.1 608757 Transmission Housing....48
217.1 608758 Transmission Gear And Shafts....50
218.1 608759 Transmission Rear Support....52
219.1 608745 Turret Rotation - Reduction Gear....54

300 Engine Components
301.1 608764 Diesel Engine....56
302.1 608765 Engine Cooling System - Air Filter....58
303.1 608766 Engine Heatsink....60
304.1 608767 Exhaust System And Accelerator....62
305.1 608768 Hydraulic Pumps....64

400 Cab Components
401.1 608774 Cab, View 1....66
402.1 608775 Cab, View 2....68
403.1 608776 Cab, View 3....70
404.1 608777 Cab, View 4....72
405.1 608778 Seat Assembly....74
406.1 608779 Dashboard....76
407.1 608780 Heater, Cab Part....78
408.1 608781 Heater, Engine Part....80
409.1 608782 Heater, Fan And Element....82

500 Boom Components
501.1 608787 Arm 1st - 2nd Telescopic Element....84
502.1 608788 Arm 3rd - 4th Telescopic Element....86
503.1 608789 Chain Unit 1st Boom Section....88
504.1 608790 Chain Unit 2nd Boom Section....90
505.1 608791 Chain Unit 3rd Boom Section....92
506.1 608792 Chain Unit 4th Boom Section....94
507.1 608793 Stop Spacer Boom Section....96
508.1 608794 Coupling Unit....98
509.1 608795 Forks....100
510.1 608796 Lifting Cylinder - Slave Cylinder - Tilting Cylinder....102
511.1 608797 Boom Extension Cylinder....104

600 Hydraulic System
601.1 608802 Boom Extension Cylinder....106
602.1 608803 Fork Balancing Cylinders....108
603.1 608804 Attachment....110
604.1 608805 Rear Axle Pivoting Cylinders....112
605.1 608806 Front Outriggers....114
606.1 608807 Hoses Fittings Holder Plate....116
607.1 608808 Rear Outriggers....118
608.1 608809 Lift Cylinder....120
609.1 608810 Slewing Upper Structure Rotation....122
610.1 608811 Service Brake, Parking Brake, Differential Lock Solenoid Valve - Part 1....124
611.1 608812 Service Brake, Parking Brake, Differential Lock Solenoid Valve - Part 2....126
612.1 608813 Brakes Max Pressure Valve....128
613.1 608814 Main Valve Locking And Outriggers Solenoid Valve Block....130

MidWestTech | Terex Genie GTH-5021 R IIIA Articulated Boom Lift Parts Manual | Publicati... Order the manual at mid-west-tech.com >

614.1 608815 Main Valve - Elements....132
615.1 608816 Power Steering....134
616.1 608817 Hydraulic Oil Cooler....136
617.1 608818 Slewing Upper Structure Hoses Locking System....138
618.1 608819 Pressure Plugs....140
619.1 608820 Suction System Hydraulic Pumps....142
620.1 608821 Hydraulic Transmission....144
621.1 608822 Shift Gear Solenoid Valve....146

700 Electric Installation

701.1 608827 Cabin Fuse - Relay Box....148
702.1 608828 Engine Line....150
703.1 608829 Base Frame Line....152
704.1 608830 Slewing Upper Structure Line - Part 1....154
705.1 608831 Slewing Upper Structure Line - Part 2....156
706.1 608832 Dashboard Line....158
707.1 608833 Side Cab Line....160
708.1 608834 Dashboard....162
709.1 608836 Connectors....164
710.1 608837 Connectors....166
711.1 608838 Connectors....168
712.1 608839 Connectors....170
713.1 608840 Connectors....172
714.1 608841 Connectors....174
715.1 608842 Connectors....176
716.1 608843 Auxiliary Hydraulic Circuit And Attachment.178

800 Optionals

801.1 608847 Transport Locking Devices....180
802.1 608849 Plate For Swiss Market....182
803.1 608850 Hydraulic Jack....184
804.1 608851 Auxiliary Hydraulic Circuit....186
805.1 608852 Hydraulic Quick Coupling And 1 Aux Circuit.188
806.1 608853 Hydraulic Quick Coupling And 2 Aux Circuits....190
807.1 608854 Air Conditioning, View 1....192
808.1 608855 Air Conditioning, View 2....194
809.1 608856 Air Conditioning, View 3....196
810.1 608857 Man Platform Predisposition - Emergency Pump, View 1....198
811.1 608864 Man Platform Predisposition - Emergency Pump, View 2....200
812.1 608858 Mixing Bucket Predisposition....202
813.1 608860 Windscreen Protection and Power Pack....204
814.1 608861 Windscreen Wiper....206
815.1 608862 Boom Work Light....208
816.1 608863 Cabin Work Light....210
817.1 608865 Chassis Levelling, View 1....212
818.1 608866 Chassis Levelling, View 2....214
819.1 608868 Twing Hitch....216
820.1 608870 Fem 3 Forks....218
821.1 608871 Remote Radio Control And Green Light....220
822.1 608859 Fork Side Shift And Positioner - Part 1....222
823.1 608867 Fork Side Shift And Positioner - Part 2....224
824.1 608848 LMI Tower Lights....226
825.1 608872 Continious Rotating 360° - Joint....228
826.1 608873 Continious Rotating 360° - Cab Heater Hoses....230
827.1 608874 Continious Rotating 360° - Outriggers....232
828.1 608875 Continious Rotating 360° - Service Brake....234
829.1 608876 Continious Rotating 360° - Power Steering.236
830.1 608877 Continious Rotating 360° - Hydraulic Oil Tank....238
831.1 608878 Continious Rotating 360° - Chassis Levelling....240

Indices

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

Cross References

Fittings Cross Reference....258

MidWestTech | Terex Genie GTH-5021 R IIIA Articulated Boom Lift Parts Manual | Publicati... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
1	01400101758GT	Screw TEM16X80 DIN 564 8.8ZN	8
2	01001901088GT	Nut M16 UNI 5588 6S ZN	16

MidWestTech | Terex Genie GTH-5021 R IIIA Articulated Boom Lift Parts Manual | Publicati... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
1	07070[illegible]GT	6-way Deutsch Connector	
2	560020069GT	3-Way Deutsch Connector	
3	560020104GT	CONNECTOR,21 WAY,FEMALE	
4	124221GT	DECAL,INPUT POWER,110VAC	
5	560020153GT	CONNECTOR,2 WAY,FEMALE	
6	124234GT	Connector	
7	560020168GT	CONNECTOR	
8	125005GT	3-way Deutsch Connector	
9	101040GT	C/c D. 10 For Wire D. 70	
10	560020622GT	C/c D. 5,3 For Wire D. 1-2,5	
11	560020119GT	TERMINAL,RING,D5.3	
12	101052GT	C/c D. 10 For Wire D. 70	

MidWestTech | Terex Genie GTH-5021 R IIIA Articulated Boom Lift Parts Manual | Publicati... Order the manual at mid-west-tech.com >

Item	Part No.	Description	Qty.
1	0946750003GT	Hydraulic Jack	1
2	0946750000GT	Ratchet Socket	1

MidWestTech | Terex Genie GTH-5021 R IIIA Articulated Boom Lift Parts Manual | Publicati... Order the manual at mid-west-tech.com >