A TEREX BRAND

Parts Manual

Serial Number Range

GTH-5021 R

from SN GTH5021R15B-128 to GTH5021R16B-131

from SN GTH5021R16M-132 to GTH5021R17M-181

Part No. 57.0411.0053

Rev C

June 2018

MidWestTech | Terex Genie GTH-5021 R Articulated Boom Lift Parts Manual | Publication 57.0411.0053

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 609070 Decals View 1....10
102.1 609071 Decals View 2....12
103.1 609072 Decals View 3....14
104.1 609073 Load Charts....16

200 Drive Chassis Components

201.1 609076 Basic Frame Chassis....18
202.1 609077 Engine Casing Unit....20
203.1 609078 Slewing Upper Structure - View 1....22
204.1 609079 Slewing Upper Structure - View 2....24
205.1 609080 Transmission And Wheels....26
206.1 609081 Hydraulic Oil And Diesel Tanks....28
207.1 609082 Outriggers - View 1....30
208.1 609083 Outriggers - View 2....32
209.1 609084 Front Axle - Housing....34
210.1 609085 Front And Rear Axle - Differential....36
211.1 609086 Front And Rear Axle - Bevel Gear Set....38
212.1 609087 Front And Rear Axle - Double U Joint - Hub And Final Reduction....40
213.1 609088 Front And Rear Axle - Steering Cylinder And Swivel Housing....42
214.1 609089 Front And Rear Axle - Brakes....44
215.1 609090 Rear Axle - Housing....46
216.1 609091 Transmission Housing....48
217.1 609092 Transmission Gear And Shafts....50
218.1 609093 Transmission Rear Support....52
219.1 609094 Turret Rotation - Reduction Gear....54

300 Engine Components

301.1 609095 Diesel Engine....56
302.1 609096 Engine Cooling System - Air Filter....58
303.1 609097 Engine Heatsink....60
304.1 609098 Exhaust System And Accelerator....62
305.1 609099 Hydraulic Pumps....64

400 Cab

401.1 609100 Cab - View 1....66
402.1 609101 Cab - View 2....68
403.1 609102 Cab - View 3....70
404.1 609103 Cab - View 4....72
405.1 609104 Seat Assembly....74
406.1 609105 Dashboard....76
407.1 609106 Heater, Cab Part....78
408.1 609107 Heater, Engine Part....80
409.1 609108 Heater, Fan And Element....82

500 Boom Components

501.1 609110 Arm 1st - 2nd Telescopic Element....84
502.1 609111 Arm 3rd - 4th Telescopic Element....86
503.1 609112 Chain Unit 1st Boom Section....88
504.1 609113 Chain Unit 2nd Boom Section....90
505.1 609114 Chain Unit 3rd Boom Section....92
506.1 609115 Chain Unit 4th Boom Section....94
507.1 609116 Stop Spacer Boom Section....96
508.1 609117 Coupling Unit....98
509.1 609118 Forks....100
510.1 609119 Lifting Cylinder - Slave Cylinder - Tilting Cylinder....102
511.1 609120 Boom Extension Cylinder....104

600 Hydraulic System

601.1 609121 Boom Extension Cylinder....106
602.1 609122 Fork Balancing Cylinders....108
603.1 609123 Attachment....110
604.1 609124 Rear Axle Pivoting Cylinders....112
605.1 609125 Front Outriggers - To SN GTH5021R17M-164....114
605.2 609194 Fron Outriggers - From Sn GTH5021R17M-165....116
606.1 609126 Hoses Fittings Holder Plate....118
607.1 609127 Hydraulic Oil Cooler....120
608.1 609128 Rear Outriggers - To SN GTH5021R17M-164....122
608.2 609195 Rear Outriggers - From SN GTH5021R17M-165....124
609.1 609129 Lift Cylinder....126
610.1 609130 Slewing Upper Structure Rotation....128
611.1 609131 Service Brake, Parking Brake, Differential Lock Solenoid Valve - Part 1....130

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

612.1 609132 Service Brake, Parking Brake, Differential Lock Solenoid Valve - Part 2....132
613.1 609133 Brakes Max Pressure Valve....134
614.1 609134 Main Valve Locking And Outriggers Solenoid Valve Block....136
615.1 609135 Main Valve - Elements - To SN GTH5021R16M-140....138
615.2 609193 Main Valve - Elements - From SN GTH5021R16M-141....140
616.1 609136 Power Steering....142
617.1 609137 Hydraulic Oil Cooling Circuit....144
618.1 609138 Slewing Upper Structure Hoses Locking....146
619.1 609139 Pressure Plugs....148
620.1 609140 Suction System Hydraulic Pumps....150
621.1 609141 Hydraulic Transmission....152
622.1 609142 Shift Gear Solenoid Valve....154

700 Electric Installation

701.1 609145 Cabin Fuse - Relay Box....156
702.1 609146 Engine Line....158
703.1 609147 Base Frame Line....160
704.1 609148 Slewing Upper Structure Line - Part 1....162
705.1 609149 Slewing Upper Structure Line - Part 2....164
706.1 609150 Dashboard Line....166
707.1 609151 Side Cab Line....168
708.1 609152 Dashboard....170
709.1 609191 Auxiliary Hydraulic Circuit And Attachment.172
710.1 609153 Connectors....174
711.1 609154 Connectors....176
712.1 609155 Connectors....178
713.1 609156 Connectors....180
714.1 609157 Connectors....182
715.1 609158 Connectors....184

800 Optionals

801.1 609159 Transport Locking Devices....186
803.1 609160 Plate For Swiss Market....188
804.1 609161 Hydraulic Jack....190
805.1 609162 Auxiliary Hydraulic Circuit....192
806.1 609163 Hydraulic Quick Coupling And 1 Aux Circuit.194
807.1 609164 Hydraulic Quick Coupling And 2 Aux Circuits....196
808.1 609165 Air Conditioning - View 1....198
809.1 609166 Air Conditioning - View 2....200
810.1 609167 Air Conditioning - View 3....202
811.1 609168 Man Platform Predisposition - Emergency Pump View 1 - to S.N. GTH5021R16M-138....204
811.2 609169 Man Platform Predisposition - Emergency Pump View 1 - from S.N. GTH5021R16M-139....206
812.1 609170 Man Platform Predisposition - Emergency Pump View 2....208
813.1 609171 Mixing Bucket Predisposition....210
814.1 609172 Windscreen Protection and Power Pack....212
815.1 609173 Windscreen Wiper....214
816.1 609174 Boom Work Light....216
817.1 609175 Cabin Work Light....218
818.1 609192 LMI Tower Lights....220
819.1 609176 Chassis Levelling - View 1....222
820.1 609177 Chassis Levelling - View 2....224
821.1 609178 Twing Hitch....226
823.1 609179 Fem 3 Forks....228
824.1 609180 Remote Radio Control And Green Light....230
825.1 609181 Continous Rotating 360° - Joint....232
826.1 609182 Continous Rotating 360° - Cab Heater Hoses....234
827.1 609183 Continous Rotating 360° - Outriggers....236
828.1 609184 Continous Rotating 360° - Service Brake....238
829.1 609185 Continous Rotating 360° - Power Steering..240
830.1 609186 Continous Rotating 360° - Hydraulic Oil Radiator....242
831.1 609187 Continous Rotating 360° - Chassis Levelling....244
832.1 609188 Fork Side Shift And Positioner - View 1....246
833.1 609189 Fork Side Shift And Positioner - View 2....248
834.1 609190 GM-1 Articulation....250

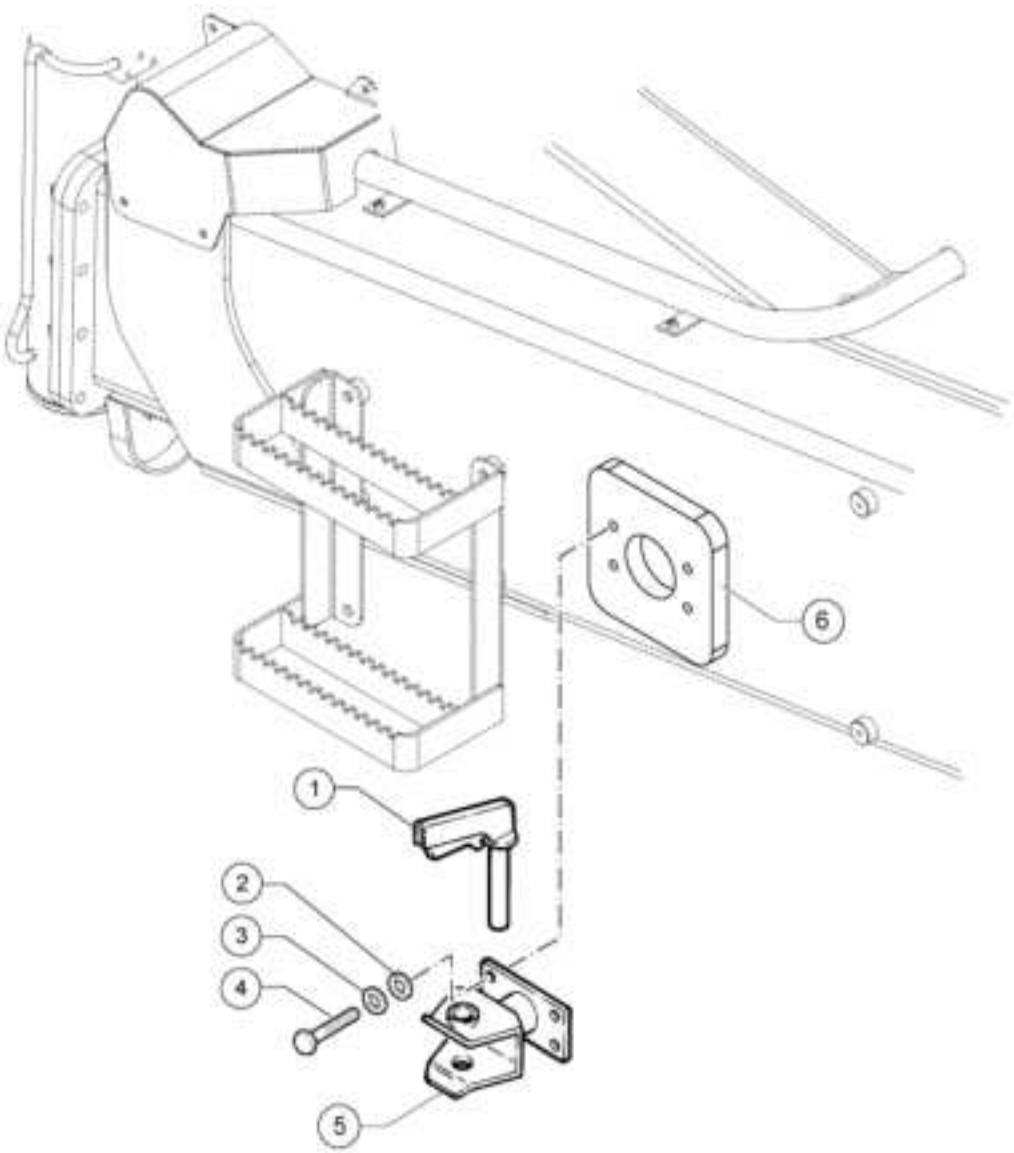
Indices

Part Number Index....252
Part Description Index....259

Cross References

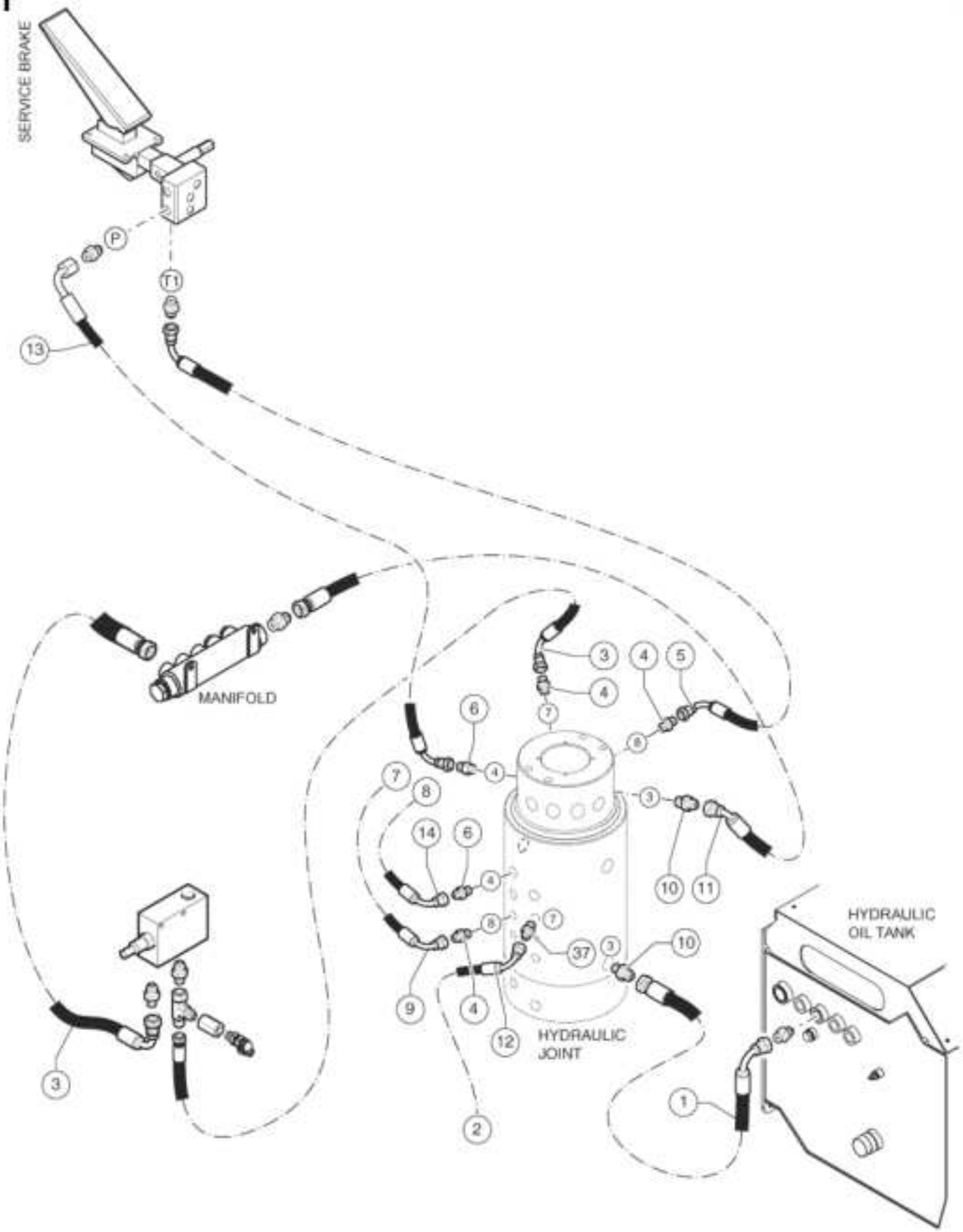
Fittings Cross Reference....270

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



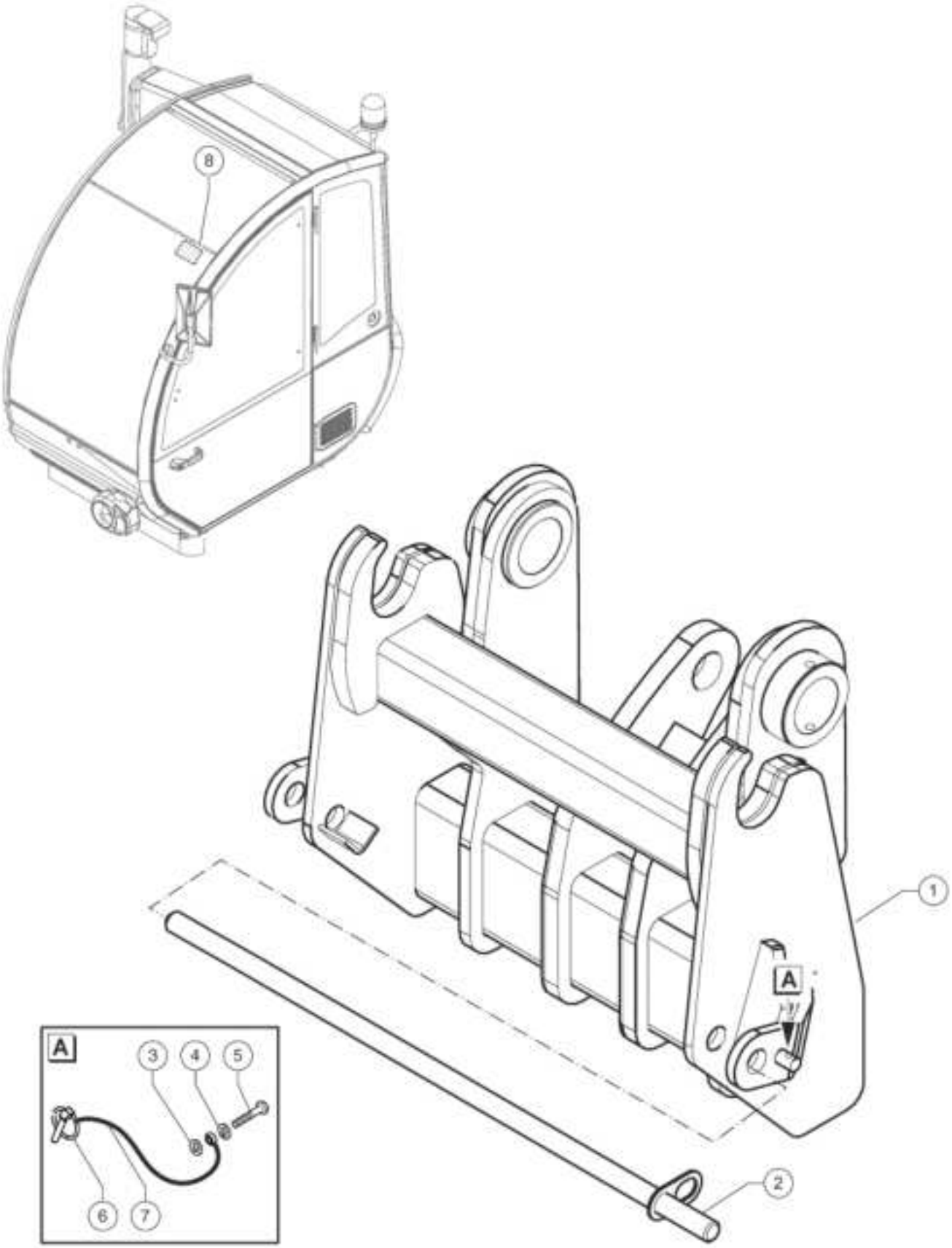
MidWestTech | Terex Genie GTH-5021 R Articulated Boom Lift Parts Manual | Publication... Order the manual at mid-west-tech.com >

828.1 609184 Continous Rotating 360° - Service Brake



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

834.1 609190 GM-1 Articulation



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