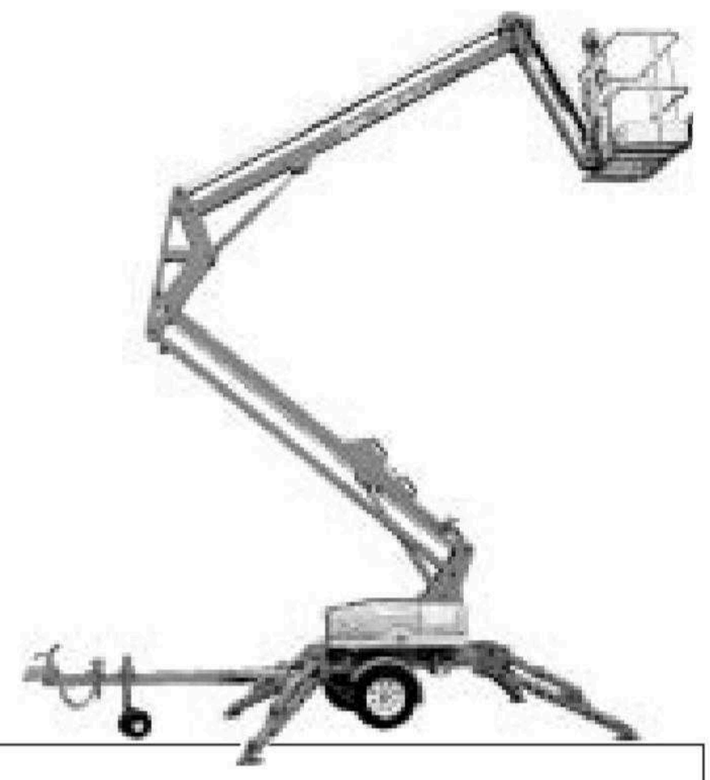


Genie®

Service Manual

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Rev C
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TMZ™-34/19

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Table of Contents

Introduction

Important Information ii

Section 1 — **Safety Rules**

General Safety Rules iii

Section 2 — **Specifications**

Rev		
C	Machine Specifications	2 - 1
C	Performance Specifications	2 - 1
C	Hydraulic Specifications	2 - 2
C	Manifold Component Specifications	2 - 3
C	Machine Torque Specifications	2 - 3
C	Hydraulic Hose and Fitting Torque Specifications	2 - 4
C	SAE and Metric Fasteners Torque Charts	2 - 5

Section 3 — **Scheduled Maintenance Procedures**

Rev		
	Introduction	3 - 1
	Pre-delivery Preparation Report	3 - 3
	Maintenance Inspection Report	3 - 5
C	**Checklist A Procedures**	
	A-1 Perform Pre-operation Inspection	3 - 6
	A-2 Perform Function Tests	3 - 6
	A-3 Perform Hitch Maintenance - ANSI Models	3 - 7
	A-4 Perform Axle Maintenance - ANSI Models	3 - 7
	A-5 Perform Axle Maintenance - CE Models	3 - 8
	A-6 Perform Axle Maintenance - CE Models	3 - 8
	A-7 Perform Axle Maintenance - ANSI Models	3 - 9
	A-8 Perform Axle Maintenance - ANSI Models	3 - 9
	A-9 Perform Axle Maintenance - CE Models	3 - 10
	A-10 Perform 30 Day Service	3 - 10
	A-11 Grease the Turntable Rotation Bearing and Rotate Gear	3 - 11

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TABLE OF CONTENTS

Section 3	Rev	Scheduled Maintenance Procedures, continued	
	C	**Checklist B Procedures**	
		B-1 Inspect the Batteries	3 - 12
		B-2 Inspect the Electrical Wiring	3 - 13
		B-3 Test the Emergency Stop	3 - 14
		B-4 Test the Key Switch	3 - 14
		B-5 Test the Manual Lowering Operation	3 - 15
		B-6 Inspect the Tires and Wheels (including lug nut or lug bolt torque)	3 - 16
		B-7 Service the Tongue Jack	3 - 16
		B-8 Inspect the Parking Brake	3 - 17
		B-9 Test the Horn	3 - 18
		B-10 Test the Flashing Beacon (if equipped)	3 - 18
		B-11 Test the Platform Rotation (if equipped)	3 - 19
		B-12 Inspect the Hydraulic Tank Cap Venting System	3 - 19
		B-13 Perform Hitch Maintenance - ANSI Models	3 - 20
		B-13 Perform Axle Maintenance - ANSI Models	3 - 20
		B-14 Perform Hydraulic Oil Analysis	3 - 21
	C	**Checklist C Procedure**	
		C-1 Replace the Hydraulic Tank Breather Cap - Models with Optional Hydraulic Oil	3 - 22
		C-2 Perform Axle Maintenance - ANSI Models	3 - 22
		C-3 Perform Hitch Maintenance - CE Models	3 - 23
	C	**Checklist D Procedures**	
		D-1 Check the Turntable Rotation Bearing Bolts	3 - 24
		D-2 Inspect for Turntable Bearing Wear	3 - 25
		D-3 Replace the Hydraulic Tank Return Filter	3 - 26
		D-4 Perform Axle Maintenance - ANSI Models	3 - 27
		D-5 Perform Hitch Maintenance - ANSI Models	3 - 27
	C	**Checklist E Procedure**	
		E-1 Test or Replace the Hydraulic Oil	3 - 28

MidWestTech | Terex Genie TMZ-34/19 Towable Articulated Boom Lift Service Manual | Pu... Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

Section 4	Rev	Repair Procedures	
		Introduction	4 - 1
	C	**Platform Controls**	
		1-1 Circuit Board	4 - 2
		1-2 Membrane Overlay	4 - 3
	C	**Platform Components**	
		2-1 Platform	4 - 5
		2-2 Platform Rotator (if equipped)	4 - 5
	C	**Jib Boom Components**	
		3-1 Jib Boom	4 - 8
		3-2 Jib Boom Lift Cylinder	4 - 10
	B	**Boom Components**	
		4-1 Boom	4 - 12
		4-2 Lift Cylinders	4 - 18
	C	**Ground Controls**	
		5-1 Ground Control Keypad Circuit Board	4 - 20
		5-2 CPU Circuit Board	4 - 22
		5-3 Connector Circuit Board	4 - 22
		5-4 Software Configuration	4 - 23
		5-5 Membrane Overlay	4 - 25
		5-6 Level Sensor	4 - 27
		5-7 Interacter BatteryCharger	4 - 30
		5-8 Lester Battery Charger	4 - 32
	B	**Hydraulic Power Unit**	
		6-1 Hydraulic Power Unit Components	4 - 34
		6-2 Valve Adjustments - Hydraulic Power Unit	4 - 36
		6-3 Hydraulic Pump	4 - 37

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Hydraulic Hose and Fitting Torque Specifications

Your machine is equipped with Parker Seal-Lok® fittings and hose ends. Genie specifications require that fittings and hose ends be torqued to specification when they are removed and installed or when new hoses or fittings are installed.

SAE O-ring Boss Port
(tube fitting - installed into Aluminum)

SAE Dash size	Torque
-4	11 ft-lbs / 14.9 Nm
-6	23 ft-lbs / 31.2 Nm
-8	40 ft-lbs / 54.2 Nm
-10	69 ft-lbs / 93.6 Nm
-12	93 ft-lbs / 126.1 Nm
-16	139 ft-lbs / 188.5 Nm
-20	172 ft-lbs / 233.2 Nm
-24	208 ft-lbs / 282 Nm

SAE O-ring Boss Port
(tube fitting - installed into Steel)

SAE Dash size	Torque
-4	16 ft-lbs / 21.7 Nm
-6	35 ft-lbs / 47.5 Nm
-8	60 ft-lbs / 81.3 Nm
-10	105 ft-lbs / 142.4 Nm
-12	140 ft-lbs / 190 Nm
-16	210 ft-lbs / 284.7 Nm
-20	260 ft-lbs / 352.5 Nm
-24	315 ft-lbs / 427.1 Nm

Seal-Lok® fittings

1 Replace the O-ring. The O-ring must be replaced anytime the seal has been broken. The O-ring cannot be re-used if the fitting or hose end has been tightened beyond finger tight.

NOTICE The O-rings used in the Parker Seal Lok® fittings and hose ends are custom-size O-rings. They are not standard SAE size O-rings. They are available in the O-ring field service kit (Genie part number 49612).

2 Lubricate the O-ring before installation.

3 Be sure that the face seal O-ring is seated and retained properly.

4 Position the tube and nut squarely on the face seal end of the fitting and tighten the nut finger tight.

5 Tighten the nut or fitting to the appropriate torque per given size as shown in the table.

6 Operate all machine functions and inspect the hoses and fittings and related components to confirm that there are no leaks.

Seal-Lok® Fittings
(hose end)

SAE Dash size	Torque
-4	18 ft-lbs / 24.4 Nm
-6	27 ft-lbs / 36.6 Nm
-8	40 ft-lbs / 54.2 Nm
-10	63 ft-lbs / 85.4 Nm
-12	90 ft-lbs / 122 Nm
-16	120 ft-lbs / 162.7 Nm
-20	140 ft-lbs / 190 Nm
-24	165 ft-lbs / 223.7 Nm

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FAULT CODE CHART (AFTER SERIAL NUMBER T3402-115) REV A

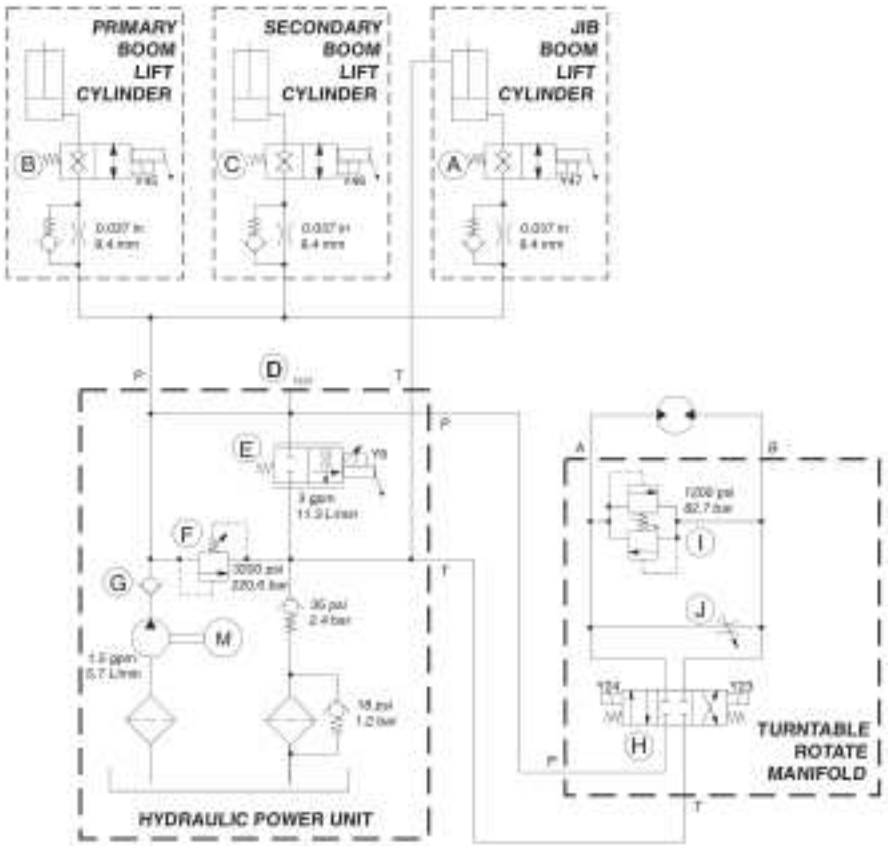
Fault Code	Fault	Condition	Possible Cause	Solution
0025	Upper boom up coil fault	Primary up valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0026	Upper boom up coil fault	Primary up valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0029	Outrigger up coil fault	Outrigger up valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0030	Outrigger up coil fault	Outrigger up valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0031	Outrigger level coil fault	Outrigger level valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0032	Outrigger level coil fault	Outrigger level valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0033	Outrigger regen coil fault	Outrigger regen valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0034	Outrigger regen coil fault	Outrigger regen valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0035	Left front outrigger coil fault	LF outrigger valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0036	Left front outrigger coil fault	LF outrigger valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0037	Right front outrigger coil fault	RF outrigger valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0038	Right front outrigger coil fault	RF outrigger valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board

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Hydraulic Schematic

Models with Manual Outriggers
(from serial number T3498-001 to T3499-769)

REV A



HS00007A

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