

Genie®

Service Manual

Part No. 65162
Rev B
June 2005

TMZ™-50/30

MidWestTech | Terex Genie TMZ-50/30 Telescopic Boom Lift Service Manual | Publication 65162

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SPECIFICATIONS REV B

Performance Specifications

Boom function speeds, maximum from ground controls (no weight in platform)

DC and Bi-fuel Models	
Jib boom up	10 to 15 seconds
Jib boom down	13 to 18 seconds
Primary boom up	20 to 25 seconds
Primary boom down	15 to 20 seconds
Primary boom extend	15 to 20 seconds
Primary boom retract	15 to 20 seconds
Secondary boom up	20 to 25 seconds
Secondary boom down	13 to 18 seconds
Turntable rotate - 358°	55 to 60 seconds

Engine Models	
Jib boom up	5 to 8 seconds
Jib boom down	4 to 7 seconds
Primary boom up	10 to 15 seconds
Primary boom down	8 to 13 seconds
Primary boom extend	10 to 15 seconds
Primary boom retract	10 to 15 seconds
Secondary boom up	12 to 17 seconds
Secondary boom down	9 to 14 seconds
Turntable rotate - 358°	30 to 40 seconds

Continuous improvement of our products is a Genie policy. Product specifications are subject to change without notice.

Hydraulic Specifications

Hydraulic Oil Specifications	
Hydraulic oil type	Chevron Rykon MV equivalent
ISO viscosity grade	Multi-viscosity
Viscosity index	200
Cleanliness level, minimum	15/13
Water content, maximum	200 ppm

Chevron Rykon MV oil is fully compatible and mixable with Shell Donax TG (Dexron III) oils.
Genie specifications require hydraulic oils which are designed to give maximum protection to hydraulic systems, have the ability to perform over a wide temperature range, and have a minimum viscosity index of 150. They should provide excellent antiwear, oxidation, corrosion inhibition, seal conditioning, and foam and aeration suppression properties.

Optional fluids	
Biodegradable	Petro Canada Premium ECO 46 Statoil Hydra Way Bio Pa 32 BP Biohyd SE-S
Fire resistant	UCON Hydrolube HP-5046 Quintolubric 822
Mineral based	Shell Tellus T32 Shell Tellus T46 Chevron Aviation A

NOTICE Use Chevron Aviation A hydraulic oil when in ambient temperatures consistently below 0°F / -17°C.

NOTICE Use Shell Tellus T46 hydraulic oil when oil temperatures consistently exceed 205°F / 96°C.

NOTICE Genie specifications require additional equipment and special installation instructions for the approved optional fluids. Consult the Genie Industries Service Department before use.

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FAULT CODE CHART (AFTER SERIAL NUMBER T5002-24) REV A

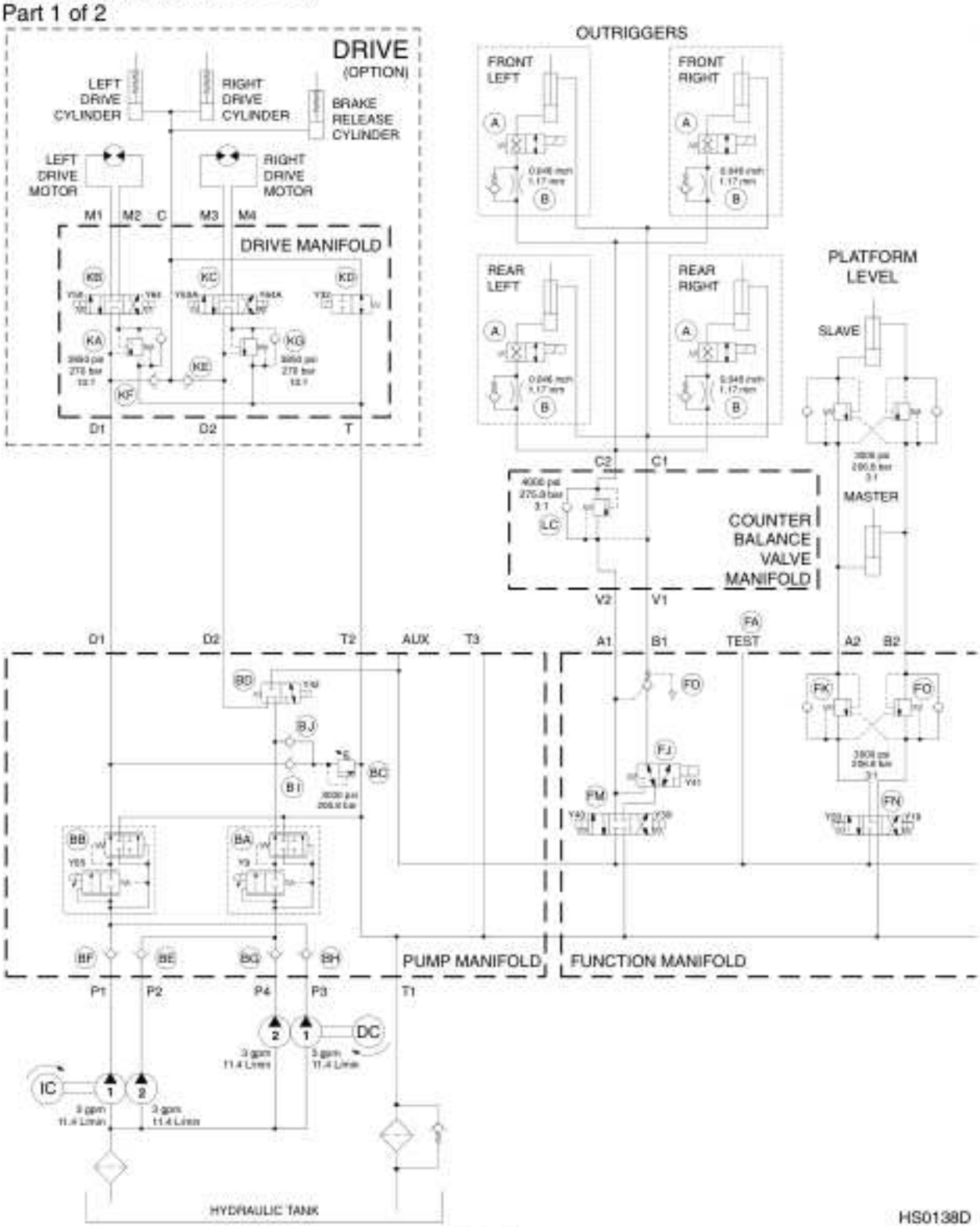
Fault Code	Fault	Condition	Possible Cause	Solution
0014	Drive controls fault	Drive has stuck joystick	Joystick activated at power up OR faulty joystick	Repair wire circuit from joystick to drive circuit board OR replace drive joystick OR replace drive circuit board
0015	Ground keypad fault	Machine functions inoperative	Ground controls has stuck or faulty button	Replace ground key pad or touch pad OR replace circuit boards
0021	Lower boom up coil fault	Secondary (lower) up valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0022	Lower boom up coil fault	Secondary (lower) up valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0023	Lower boom down coil fault	Secondary (lower) down valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0024	Lower boom down coil fault	Secondary (lower) down valve coil short	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0025	Upper boom up coil fault	Primary (upper) 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 (upper) up valve coil shorted	Short in wire harness OR faulty circuit board	Repair faulty wiring OR replace circuit board
0027	Upper boom down coil fault	Primary (upper) down valve coil open	Coil not connected to wire harness OR open circuit OR faulty circuit board	Restore connection OR replace circuit board
0028	Upper boom down coil fault	Primary (upper) down 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

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Hydraulic Schematic

Bi-Fuel Models with Drive Option
(after serial number T5000-90)
Part 1 of 2

REV A



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