A TEREX COMPANY

Service Manual

Serial Number Range

GS-2668 DC from introduction

GS-3268 DC from introduction

Part No. 65248

Rev D

June 2007

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SPECIFICATIONS REV D

Hydraulic Hose and Fitting Torque Specifications

Your machine is equipped with either 37° flared fittings and hose ends OR 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
(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

JIC 37° Fittings
(swivel nut or hose connection)

SAE Dash size	Thread Size	Flats
-4	7/16-20	2
-6	9/16-18	1 1/4
-8	3/4-16	1
-10	7/8-14	1
-12	1 1/16-12	1
-16	1 5/16-12	1
-20	1 5/8-12	1
-24	1 7/8-12	1

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Fault Code Chart

REV A

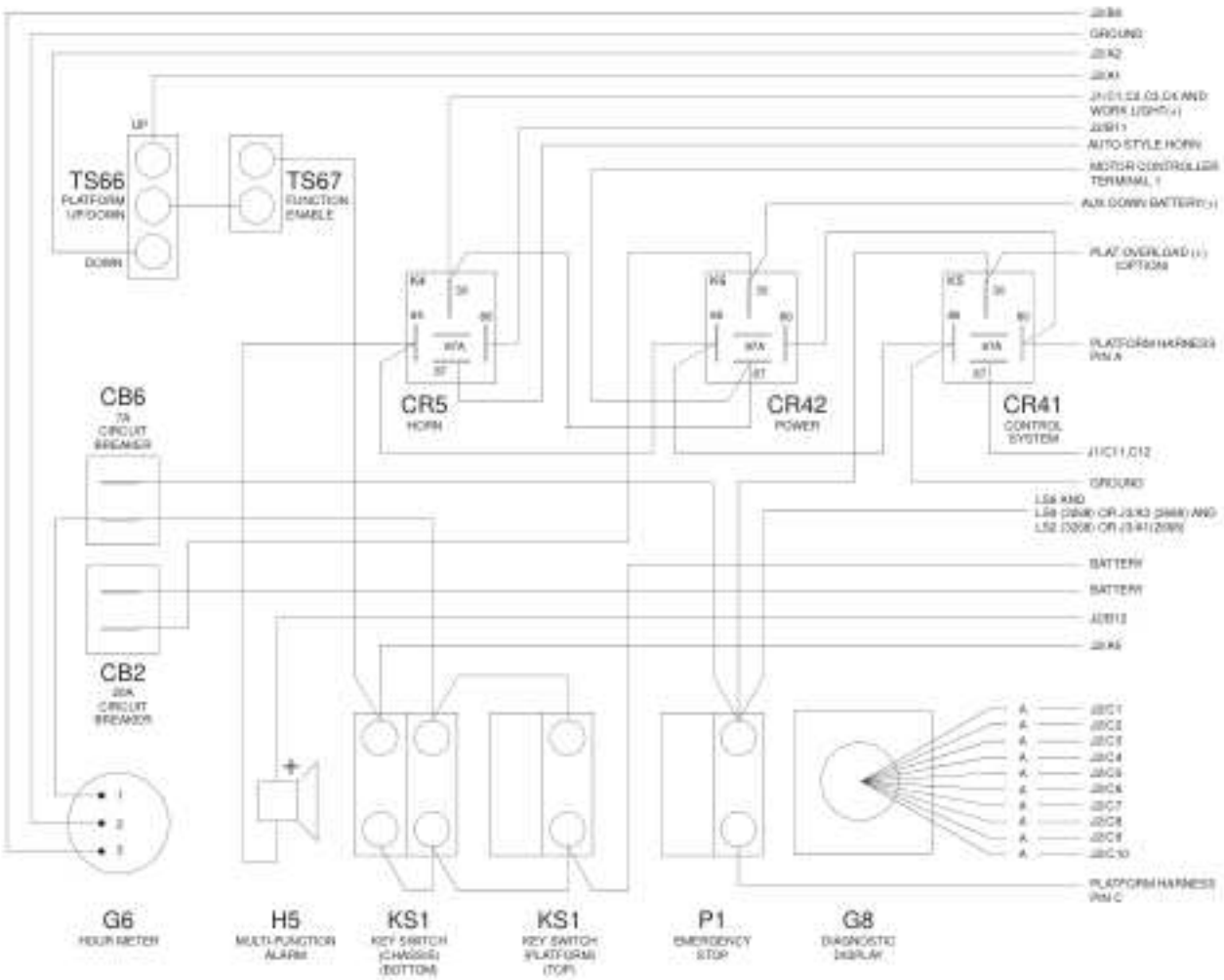
(after serial number GS6805-44698)

Fault Code	Problem	Possible Causes	Solution
01	Internal ECM error.	EPROM not programmed.	Replace ECM.
02	ECM/Platform communication error.	Malfunctioning control cable OR malfunctioning platform controls.	Troubleshoot control cable OR troubleshoot platform controls.
03	Undefined platform DIP switch settings.	DIP switch settings incorrect.	Correct DIP switch settings.
12	Chassis up/down toggle closed at start up.	Malfunctioning up/down switch.	Troubleshoot up/down switch.
18	Pothole guard failure.	Malfunctioning pothole switch OR obstruction in pothole guard linkage.	Troubleshoot pothole switch OR remove obstruction.
19	Limit switch failure.	Malfunctioning limit switch OR wire disconnected from limit switch.	Troubleshoot limit switch OR inspect wire connection.
42	Platform left turn switch fault.	Malfunctioning steer left microswitch.	Troubleshoot steer left microswitch.
43	Platform right turn switch fault.	Malfunctioning steer right microswitch.	Troubleshoot steer right microswitch.
46	Platform drive enable switch fault.	Malfunctioning drive enable switch.	Troubleshoot drive enable switch.
47	Platform joystick fault.	Joystick potentiometer not centered.	Verify potentiometer setting.
52	Forward coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
53	Reverse coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
54	Up coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
55	Down coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
56	Steer right coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
57	Steer left coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
58	Brake coil fault.	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
59	Series/parallel coil fault.	DIP switch settings are incorrect.	Troubleshoot and correct DIP switch settings.
68	Low battery voltage.	Batteries discharged.	Charge batteries.
LL	Off level fault.	Tilt of chassis exceeds level sensor setting	Reduce chassis angle.
OL	Overload cutout fault.	Too much weight in platform	Remove weight.

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Ground Controls Wiring Diagram (from serial number 33851 to 40463)

REV A



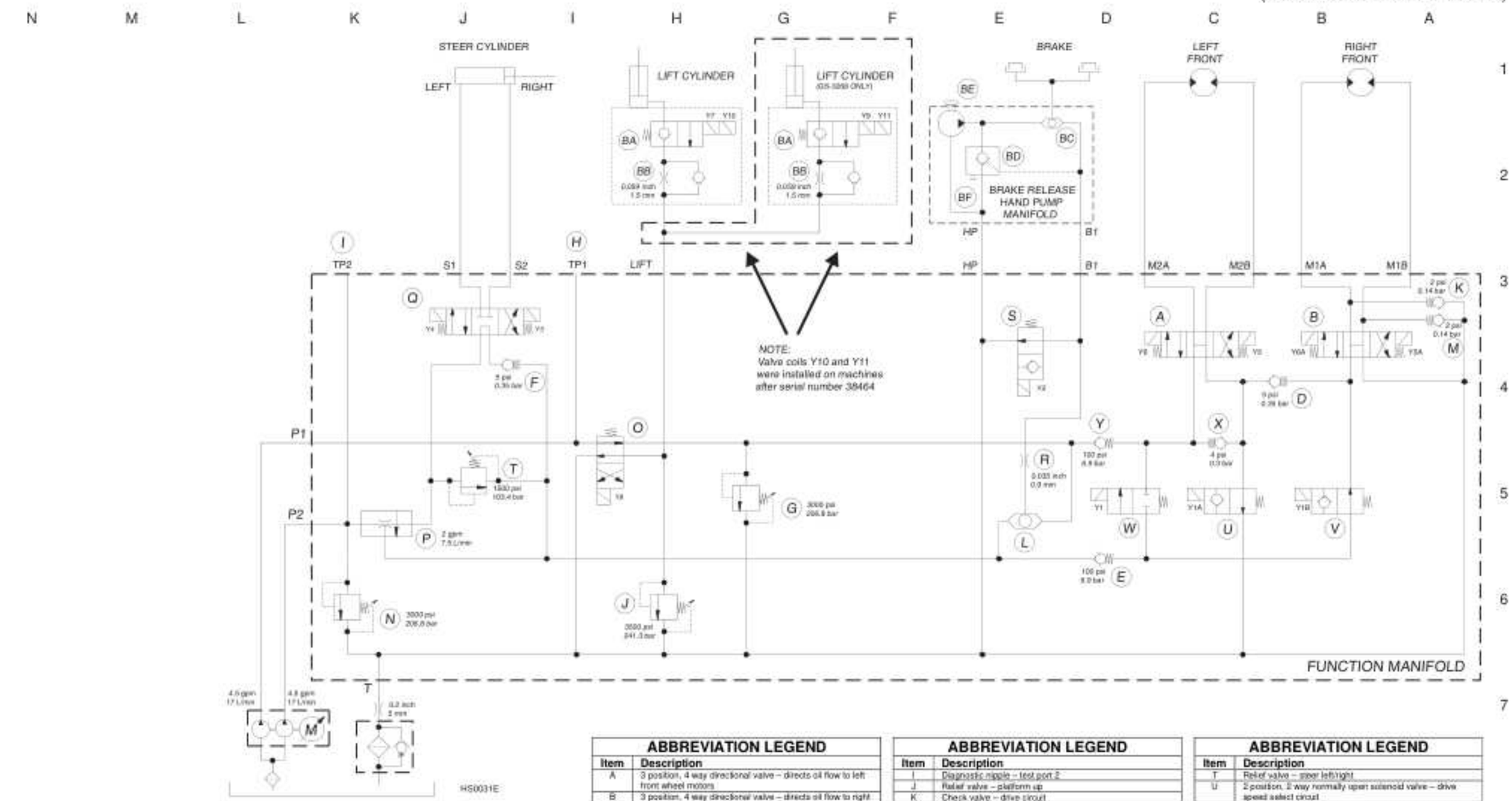
ABBREVIATION LEGEND	
Item	**Description**
BN	Button
	BN12 = High speed lift enable
	BN13 = Low speed lift enable
CB	Circuit breaker
	CB2 = 20A circuit breaker
	CB6 = 1A or 7A circuit breaker
CR	Control relay
	CR5 = Horn (option)
	CR41 = Control system
	CR42 = ECM power
	CR48 = Power
	CR79 = Pothole
	CR80 = Inverter

ABBREVIATION LEGEND	
Item	**Description**
G	Gauge
	G6 = Hour meter
	G8 = Diagnostic display
H5	Multi-function alarm
KS1	Key switch
P1	Emergency Stop button at ground controls
TS	Toggle switch
	TS66 = Platform up/down
	TS67 = Up/down function enable
	TS71 = Platform up
	TS72 = Platform down

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REV B

Hydraulic Schematic
(before serial number 40594)



ABBREVIATION LEGEND	
Item	Description
BA	2 position, 2 way solenoid valve – platform lowering
BB	Orifice – platform down circuit
BC	Shuttle valve – brake release circuit
BD	Check valve, pilot operated – manual brake release circuit
BE	Hand pump - manual brake release circuit
BF	Needle valve – manual brake release circuit

ABBREVIATION LEGEND	
Item	Description
A	3 position, 4 way directional valve – directs oil flow to left front wheel motors
B	3 position, 4 way directional valve – directs oil flow to right front wheel motors
C	Relief valve – right front drive motor circuit
D	Check valve – drive speed select circuit
E	Check valve – prevents power unit from running backward when on an incline and reversing direction of travel
F	Check valve – steer circuit
G	Relief valve – pump section number one (P1) circuit
H	Diagnostic nipple – test port 1

ABBREVIATION LEGEND	
Item	Description
I	Diagnostic nipple – test port 2
J	Relief valve – platform up
K	Check valve – drive circuit
L	Shuttle valve – brake circuit
M	Check valve – drive circuit
N	Relief valve – pump section number two (P2) circuit
O	2 position, 4 way solenoid valve – platform up
P	Priority flow regulator
Q	3 position, 4 way solenoid valve – steer left/right
R	Orifice – brake circuit
S	2 position, 2 way solenoid valve – brake circuit

ABBREVIATION LEGEND	
Item	Description
T	Relief valve – steer left/right
U	2 position, 2 way normally open solenoid valve – drive speed select circuit
V	2 position, 2 way normally open solenoid valve – drive speed select circuit
W	2 position, 2 way normally closed solenoid valve – drive speed select circuit
X	Check valve – prevents overflowing the drive motors when in high speed drive
Y	Check valve – prevents power unit from running backward when on an incline and reversing direction of travel
Z	Relief valve – left front drive motor circuit

Note: 'alpha' callouts refer to components shown in the manifold illustrations. Refer to the Repair Section.

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