A TEREX COMPANY

Service Manual

	Serial Number Range
GR™-12	from GR05-5001
GR™-15	from GR05-5001
GR™-20	from GR05-5001
QS-12R	from QS09-101
QS-15R	from QS09-101
QS-20R	from QS09-101
QS-12W	from QS09-101
QS-15W	from QS09-101
QS-20W	from QS09-101

Part No. 84700

Rev C1

January 2011

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Specifications

REV D

Machine Specifications

Batteries, Standard	
Voltage	6V DC
Group	GC2
Type	T-105
Quantity	4
Battery capacity, maximum	225AH
Reserve capacity @ 25A rate	447 minutes

Batteries, Maintenance-free (option)	
Voltage	6V DC
Group	GC2
Type	6V-AGM
Quantity	4
Battery capacity, maximum	200AH
Reserve capacity @ 25A rate	380 minutes

Fluid capacities	
Hydraulic tank	1.5 gallons 5.7 liters
Hydraulic system (including tank)	2.2 gallons 8.3 liters

Height, stowed maximum	
GR-12, GR-15, QS-12R, QS-15R QS-12W and QS-15W (ANSI, CSA and Australia models)	62 in 1.57 m
GR-12 and GR-15 (CE models)	68.1 in 1.73 m
GR-20, QS-20R and QS-20W (all models)	78 in 1.98 m

For operational specifications, refer to the Operator's Manual.

Tires and wheels	
Tire size (solid rubber)	10 x 3 in 25.4 x 2.5 cm
Tire contact area	6.5 sq in 41.9 cm^2
Castle nut torque, lubricated	150 ft-lbs 203 Nm

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

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Fault Code Chart

REV C

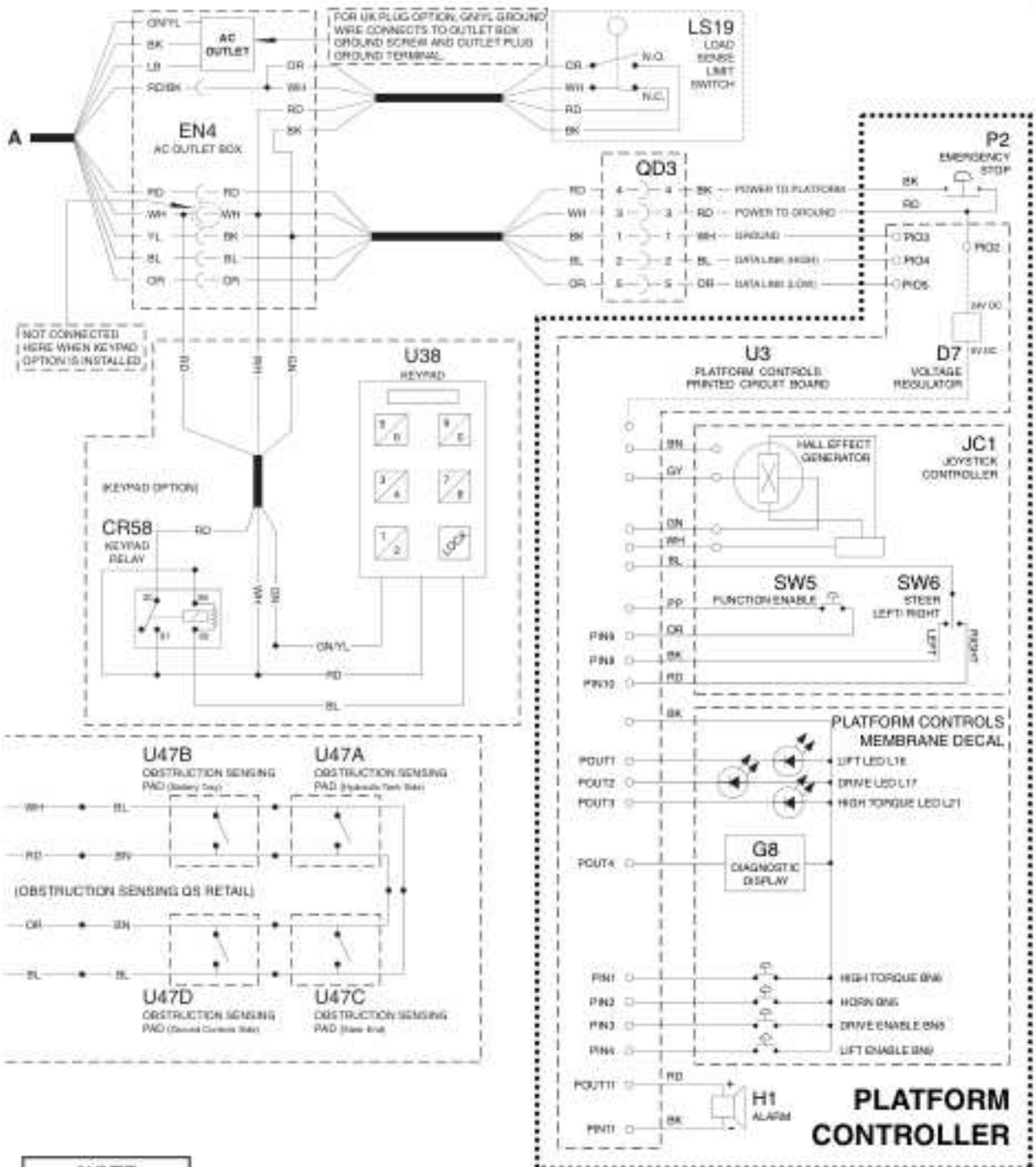
Fault Code	Problem	Possible Causes	Solution
01	Internal ECM error.	EPROM not programmed.	Replace ECM.
02	ECM/Platform communication error.	Malfunctioning control cable OR malfunctioning platform controls.	Troubleshoot control cable OR troubleshoot platform controls.
03	Undefined platform DIP switch settings.	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. (Not used on GS-3232)	Malfunctioning coil OR wire disconnected from coil.	Troubleshoot coil OR inspect wire connection.
55	Down coil fault OR Obstruction sensing system error	Malfunctioning coil OR wire disconnected from coil. Person OR object detected on the obstruction sensing pads.	Troubleshoot coil OR inspect wire connection. Clear the obstruction sensing pads of personnel OR objects.
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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Electrical Schematic - QSR

CE Models
Part 3 of 3

REV A



- NOTE -
MACHINE SHOWN IN THE STOWED POSITION WITH THE POWER OFF

ES0127F

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