A TEREX COMPANY

Service Manual

Serial Number Range

Z™-60/34

from Z60-4001

Part No. 75861

Rev E2

June 2015

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SPECIFICATIONS

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.

Seal-Lok™ Fittings
(hose end - ORFS)

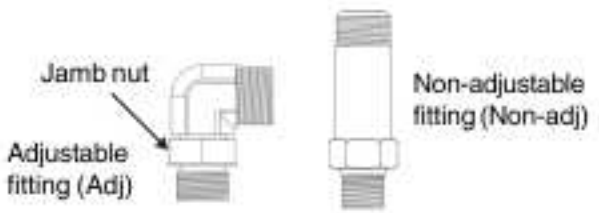
SAE Dash size	Torque
-4	10 ft-lbs / 13.6 Nm
-6	30 ft-lbs / 40.7 Nm
-8	40 ft-lbs / 54.2 Nm
-10	60 ft-lbs / 81.3 Nm
-12	85 ft-lbs / 115 Nm
-16	110 ft-lbs / 150 Nm
-20	140 ft-lbs / 190 Nm
-24	180 ft-lbs / 245 Nm

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

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

SAE Dash size	Torque
-4	14 ft-lbs / 19 Nm
-6	23 ft-lbs / 31.2 Nm
-8	36 ft-lbs / 54.2 Nm
-10	62 ft-lbs / 84 Nm
-12	84 ft-lbs / 114 Nm
-16	125 ft-lbs / 169.5 Nm
-20	151 ft-lbs / 204.7 Nm
-24	184 ft-lbs / 249.5 Nm



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

SAE Dash size		Torque
-4	ORFS / 37° (Adj)	15 ft-lbs / 20.3 Nm
	ORFS (Non-adj)	26 ft-lbs / 35.3 Nm
	37° (Non-adj)	22 ft-lbs / 30 Nm
-6	ORFS (Adj / Non-adj)	35 ft-lbs / 47.5 Nm
	37° (Adj / Non-adj)	29 ft-lbs / 39.3 Nm
-8	ORFS (Adj / Non-adj)	60 ft-lbs / 81.3 Nm
	37° (Adj / Non-adj)	52 ft-lbs / 70.5 Nm
-10	ORFS (Adj / Non-adj)	100 ft-lbs / 135.6 Nm
	37° (Adj / Non-adj)	85 ft-lbs / 115.3 Nm
-12	(All types)	135 ft-lbs / 183 Nm
-16	(All types)	200 ft-lbs / 271.2 Nm
-20	(All types)	250 ft-lbs / 339 Nm
-24	(All types)	305 ft-lbs / 413.5 Nm

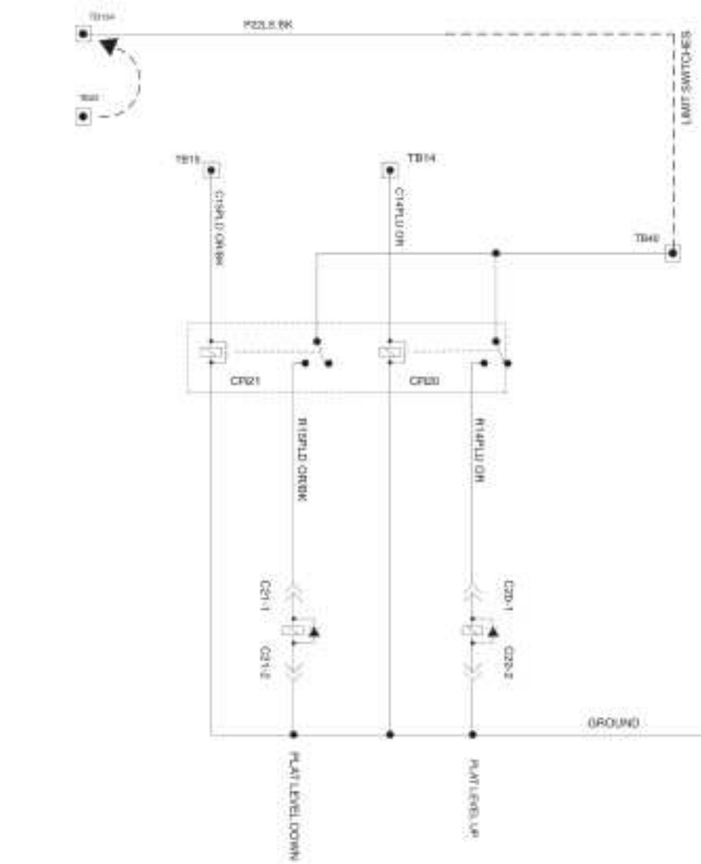
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FAULT CODES

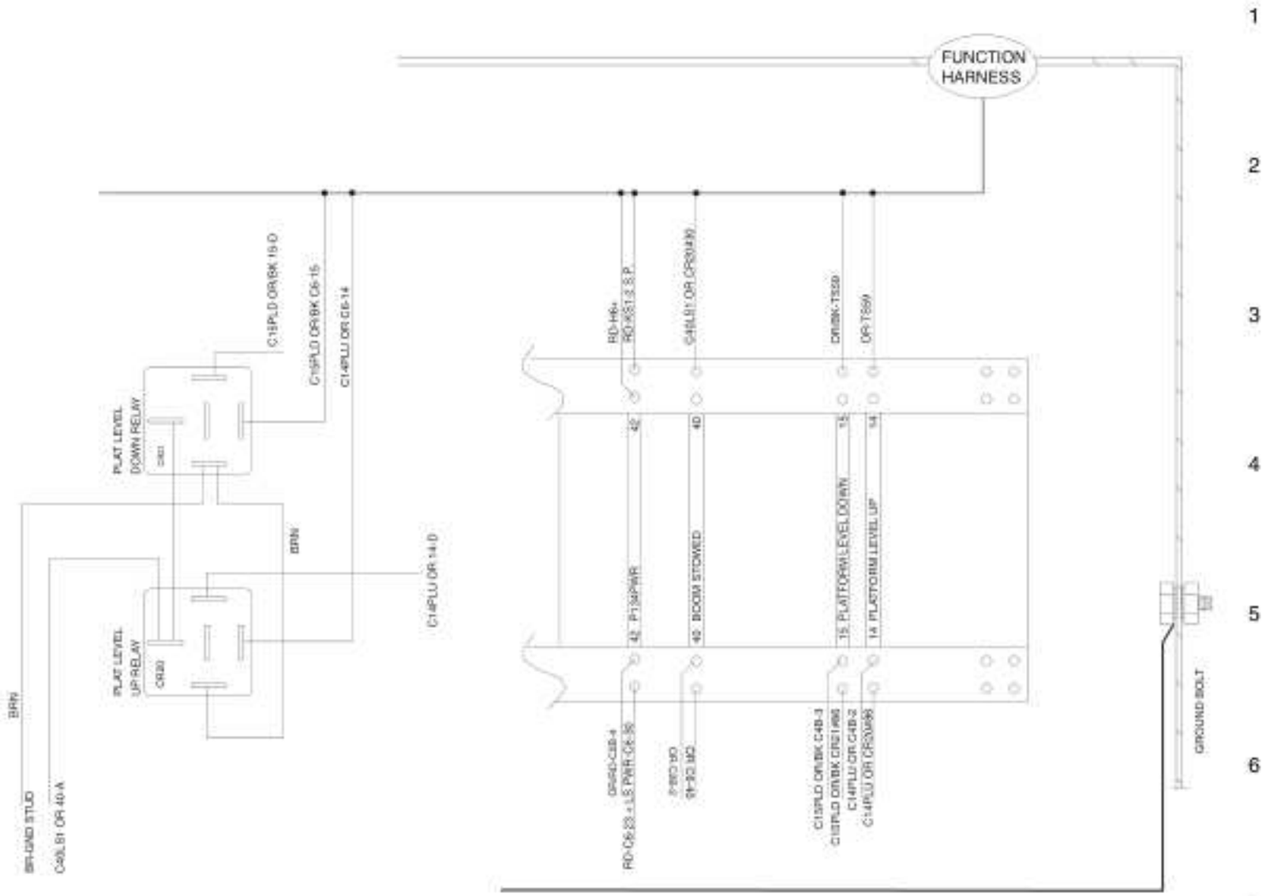
Error Source		Error Type		Condition	Solution
ID	Name	ID	Name		
33	Boom 2 flow control valve	12 15	Value too high Value too low	Valve is operating outside of operational limits. Alarm sounds indicating fault.	Cycle power off, then on and problem should be corrected.
		17	Not calibrated	Normal function **except** threshold for one or both directions is zero.	Calibrate valve thresholds
		18	Just calibrated		Self-clearing. (transient)
41	Turntable rotate joystick	11 12 15 16	Value at 5V Value too high Value too low Value at 0V	Joystick is operating outside of operational limits. Alarm sounds indicating fault.	Cycle power off, then on and problem should be corrected.
		17	Not calibrated	Function is inoperative until joystick is calibrated.	Calibrate joystick
		18	Just calibrated	Initiate 1-second beep of alarm.	Self-clearing. (transient)
42	Turntable rotate directional valves	21	Fault	Valve is operating outside of operational limits. Alarm sounds indicating fault.	Cycle power off, then on and problem should be corrected.
43	Turntable rotate flow control valve	12 15	Value too high Value too low	Valve is operating outside of operational limits. Alarm sounds indicating fault.	Cycle power off, then on and problem should be corrected.
		17	Not calibrated	Normal function **except** threshold for one or both directions is zero.	Calibrate valve thresholds.
		18	Just calibrated		Self-clearing. (transient)
44	Drive enable toggle switch	21	Fault	Drive enable function is inoperative.	Cycle power off, then on and problem should be corrected.

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Electrical Schematic - CTE Option
(from serial number 9697)



SCHEMATIC - PLATFORM LEVEL CUTOUT

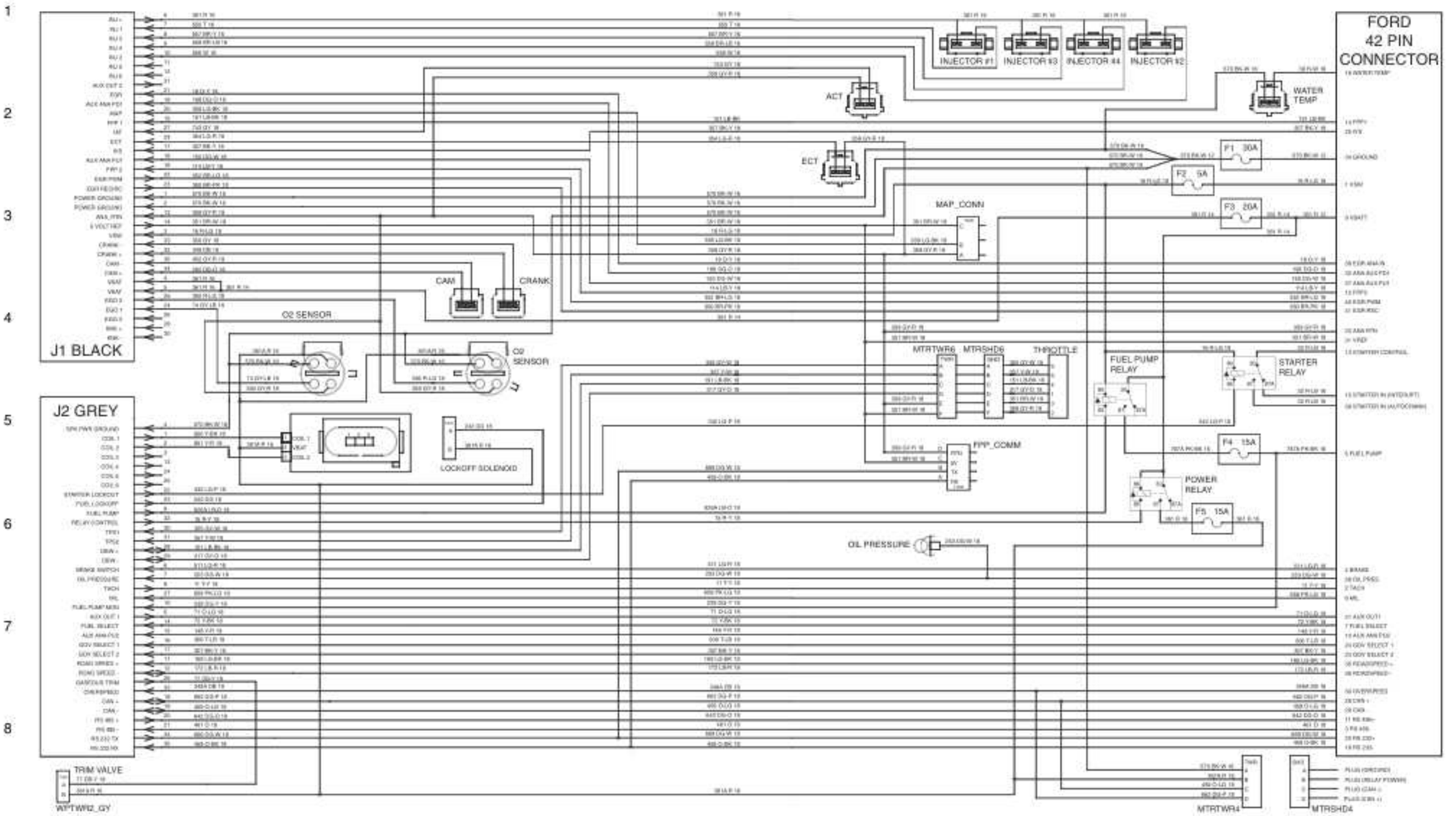


WIRING DIAGRAM

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Engine Wire Harness

Ford LRG-425 EFI Models



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