A TEREX COMPANY

Service Manual

	Serial Number Range
GS-3390	from 40001 to GS9005-42685
GS-4390	from 40001 to GS9005-42685
GS-5390	from 40001 to GS9005-42685

Part No. 72863
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Specifications

Machine Specifications

Fluid capacities	
Hydraulic tank	32 gallons 121 liters
Hydraulic system with outriggers (including tank), GS-3390	37.5 gallons 142 liters
Hydraulic system with outriggers (including tank), GS-4390	38.25 gallons 144.8 liters
Hydraulic system with outriggers (including tank), GS-5390	38.75 gallons 146.7 liters
Hydraulic system without outriggers (including tank), GS-3390	34.25 gallons 129.6 liters
Hydraulic system without outriggers (including tank), GS-4390	35 gallons 132.5 liters
Fuel tank	30 gallons 114 liters

Rated work load at full height, maximum	
GS-3390	2500 lbs 1135 kg
GS-4390 (most models - refer to capacity indicator decal)	1500 lbs 680 kg
GS-4390 (some models - refer to capacity indicator decal)	1800 lbs 816 kg
GS-5390	1500 lbs 680 kg

Tire and wheels	
Wheel lugs	9 @ 5/8-18
Lug nut torque, dry	125 ft-lbs 169.5 Nm
Lug nut torque, lubricated	94 ft-lbs 127.4 Nm

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

Rough Terrain, foam-filled	
Tire size	LSW 305-546 NHS
Tire ply rating	10
Tire contact area	36 sq in 232.3 cm^2
Tire diameter	33 in 83.8 cm
Tire width	12 in 30 cm
Wheel diameter	21.5 in 55 cm
Wheel width	10 in 25.4 cm
Weight	257 lbs (+/- 10 lbs) 116.6 kg (+/- 4.5 kg)

High Flotation, air-filled and foam-filled	
Tire size	33/16LL500
Tire ply rating	10
Tire contact area	48 sq in 309.7 cm^2
Tire diameter	33 in 83.8 cm
Tire width	16 in 41 cm
Wheel diameter	19.5 in 49.5 cm
Wheel width	14 in 35.6 cm
Weight, foam-filled	419 lbs (+/- 10 lbs) 190 kg (+/- 4.5 kg)
Weight, air-filled	157 lbs 71.2 kg
Pressure, air-filled	38 psi 2.6 bar

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

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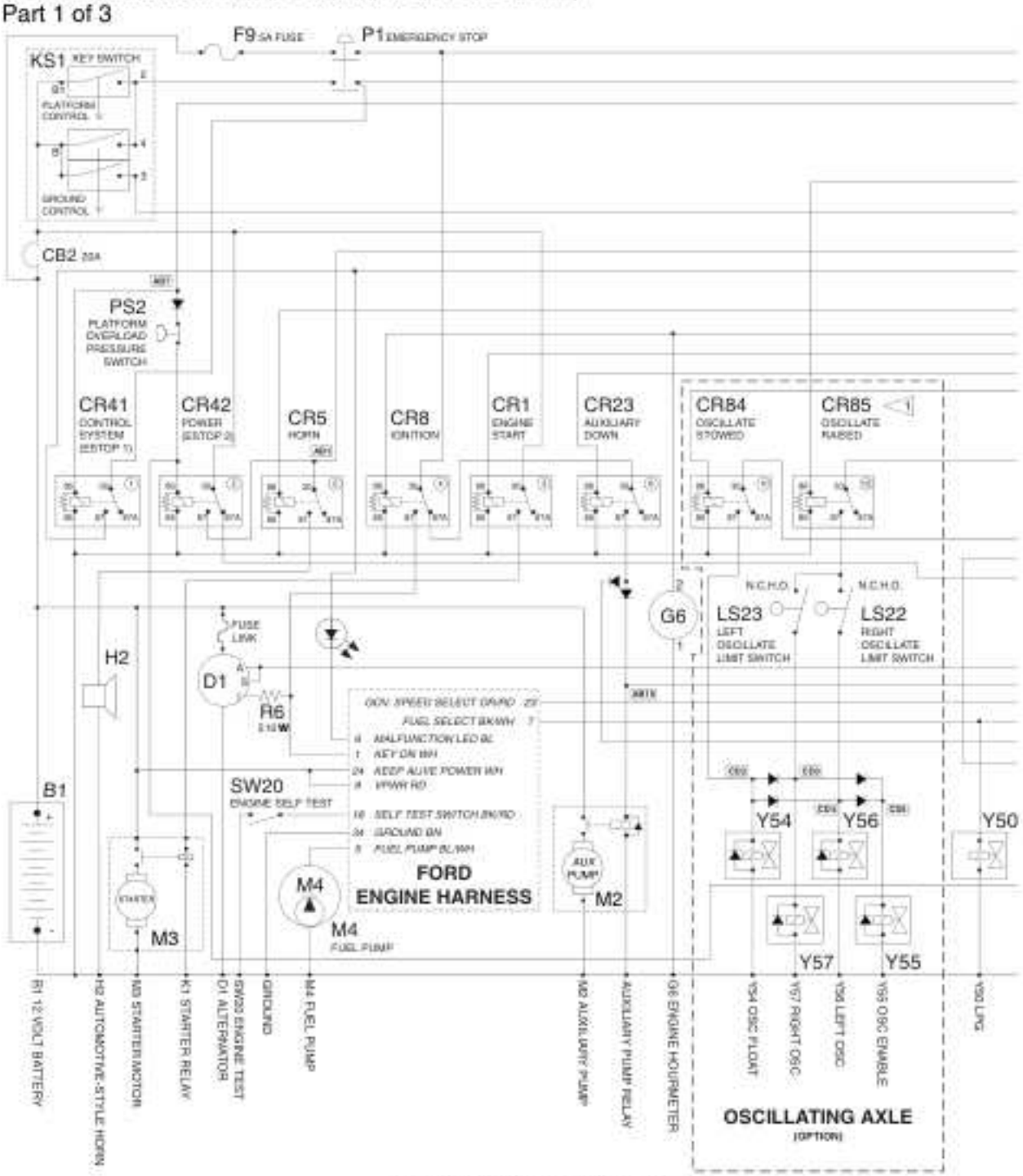
FAULT CODE CHART
(AFTER SERIAL NUMBER GS9003-41522)

Fault Code	LED	Condition	Result	Solution
66 LOW OIL PRESSURE	Red	Low oil pressure.	Engine stops.	Check the engine oil level OR check wiring from the oil pressure switch to ECM OR replace the oil pressure switch.
67 HIGH COOLANT TEMPERATURE	Red	High coolant temperature.	High engine temperature OR defective engine coolant or oil temperature switch.	**Gasoline/LPG models:** Check the engine radiator coolant level OR check the wiring from the water temperature switch to ECM OR replace the water temperature switch. **Diesel models:** Check the engine oil level OR check the wiring from the oil temperature switch to ECM OR replace the oil temperature switch.
68 LOW ECU VOLTAGE	Red	Low ECM voltage.	System shutdown.	Charge battery.
69 LOW ENGINE RPM	Red	Low RPM.	Engine idle RPM too low.	Consult Genie Industries Service Department.
70 HIGH ENGINE RPM	Red	High RPM.	Engine RPM too high.	Consult Genie Industries Service Department.
80 LEFT FRONT OTRG COIL FLT	Red	Left front outrigger coil (Y35) fault.	Left front outrigger disabled.	Troubleshoot coil OR wiring.
81 LEFT REAR OTRG COIL FLT	Red	Left rear outrigger coil (Y33) fault.	Left rear outrigger disabled.	Troubleshoot coil OR wiring.
82 RIGHT FRONT OTRG COIL FLT	Red	Right front outrigger coil (Y36) fault.	Right front outrigger disabled.	Troubleshoot coil OR wiring.
83 RIGHT REAR OTRG COIL FLT	Red	Right rear outrigger coil (Y34) fault.	Right rear outrigger disabled.	Troubleshoot coil OR wiring.
84 OUTRIGGER EXT COIL FLT	Red	Outrigger extend coil (Y40) fault.	Outrigger extend function disabled.	Troubleshoot coil OR wiring.
85 OUTRIGGER RET COIL FLT	Red	Outrigger retract coil (Y39) fault.	Outrigger retract function disabled.	Troubleshoot coil OR wiring.
86 OUTRIGGER SLOW COIL FLT	Red	Outrigger slowdown coil (Y44) fault.	Outrigger slow extend function disabled.	Troubleshoot coil OR wiring.
90 2 SPEED COIL FAULT	Red	2 speed coil (Y1) fault	High torque drive function disabled.	Troubleshoot coil OR wiring.
92 DRIVE FWD PROP COIL FAULT	Red	Drive pump forward proportional coil (Y51) fault	Drive forward function disabled.	Troubleshoot coil OR wiring.
93 DRIVE REV PROP COIL FAULT	Red	Drive pump reverse proportional coil (Y51) fault	Drive reverse function disabled.	Troubleshoot coil OR wiring.
94 MACHINE TYPE FAULT	Red	Wrong machine type selected	Machine will not operate.	Correct selection.

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Electrical Schematic

CE Models with Ford Power
(from serial number GS9005-42144 to GS9005-42203)
Part 1 of 3



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

ES71748

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SPECIFICATIONS

SAE FASTENER TORQUE CHART

• This chart is to be used as a guide only unless noted elsewhere in this manual •

SIZE	THREAD	Grade 5				Grade 8				A574 High Strength Black Oxide Bolts	
		LUBED		DRY		LUBED		DRY		LUBED	
		in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm
1/4	20	80	9	100	11.3	110	12.4	140	15.8	130	14.7
	28	90	10.1	120	13.5	120	13.5	160	18	140	15.8
		LUBED		DRY		LUBED		DRY		LUBED	
		ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm
5/16	18	13	17.6	17	23	18	24	25	33.9	21	28.4
	24	14	19	19	25.7	20	27.1	27	36.6	24	32.5
3/8	16	23	31.2	31	42	33	44.7	44	59.6	38	51.5
	24	26	35.2	35	47.4	37	50.1	49	66.4	43	58.3
7/16	14	37	50.1	49	66.4	50	67.8	70	94.7	61	82.7
	20	41	55.5	55	74.5	60	81.3	80	108.4	68	92.1
1/2	13	57	77.3	75	101.6	80	108.4	110	149	93	126
	20	64	86.7	85	115	90	122	120	162	105	142
9/16	12	80	108.4	110	149	120	162	150	203	130	176
	18	90	122	120	162	130	176	170	230	140	189
5/8	11	110	149	150	203	160	217	210	284	180	244
	18	130	176	170	230	180	244	240	325	200	271
3/4	10	200	271	270	366	280	379	380	515	320	433
	16	220	298	300	406	310	420	420	569	350	474
7/8	9	320	433	430	583	450	610	610	827	510	691
	14	350	474	470	637	500	678	670	908	560	759
1	8	480	650	640	867	680	922	910	1233	770	1044
	12	530	718	710	962	750	1016	990	1342	840	1139
1 1/8	7	590	800	790	1071	970	1315	1290	1749	1090	1477
	12	670	908	890	1206	1080	1464	1440	1952	1220	1654
1 1/4	7	840	1138	1120	1518	1360	1844	1820	2467	1530	2074
	12	930	1260	1240	1681	1510	2047	2010	2725	1700	2304
1 1/2	6	1460	1979	1950	2643	2370	3213	3160	4284	2670	3620
	12	1640	2223	2190	2969	2670	3620	3560	4826	3000	4067

METRIC FASTENER TORQUE CHART

• This chart is to be used as a guide only unless noted elsewhere in this manual •

Size	Class 4.6				Class 8.8				Class 10.9				Class 12.9			
(mm)	LUBED		DRY		LUBED		DRY		LUBED		DRY		LUBED		DRY	
	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm	in-lbs	Nm
5	16	1.8	21	2.4	41	4.63	54	6.18	58	6.63	78	8.84	68	7.75	91	10.3
6	19	3.05	36	4.07	69	7.87	93	10.5	100	11.3	132	15	116	13.2	155	17.6
7	45	5.12	60	6.83	116	13.2	155	17.6	167	18.9	223	25.2	1.95	22.1	260	29.4
	LUBED		DRY		LUBED		DRY		LUBED		DRY		LUBED		DRY	
	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm	ft-lbs	Nm
8	5.4	7.41	7.2	9.88	14	19.1	18.8	25.5	20.1	27.3	26.9	36.5	23.6	32	31.4	42.6
10	10.8	14.7	14.4	19.6	27.9	37.8	37.2	50.5	39.9	54.1	53.2	72.2	46.7	63.3	62.3	84.4
12	18.9	25.6	25.1	34.1	48.6	66	64.9	88	69.7	94.5	92.2	125	81	110	108	147
14	30.1	40.8	40	54.3	77.4	105	103	140	110	150	147	200	129	175	172	234
16	46.9	63.6	62.5	84.8	125	170	166	226	173	235	230	313	202	274	269	365
18	64.5	87.5	86.2	117	171	233	229	311	238	323	317	430	278	377	371	503
20	91	124	121	165	243	330	325	441	337	458	450	610	394	535	525	713
22	124	169	166	225	331	450	442	600	458	622	612	830	536	727	715	970
24	157	214	210	285	420	570	562	762	583	791	778	1055	682	925	909	1233

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