An Oshkosh Corporation Company

Service and Maintenance Manual

Models

1200SJP
1350SJP

PN - 3121142

April 22, 2019 - Rev V

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SECTION NO.	TITLE	PAGE NO.
SECTION A - INTRODUCTION - MAINTENANCE SAFETY PRECAUTIONS		
A	General	A-1
B	Hydraulic System Safety	A-1
C	Maintenance	A-1
SECTION 1 - SPECIFICATIONS		
1.1	Capacities	1-1
1.2	Tires	1-1
1.3	Engine Data	1-1
	Deutz Prior to SN 0300127698	1-1
	Deutz SN 0300127698 to Present	1-1
	Deutz TCD 2.9	1-1
	Deutz TCD 2.9 GUOIII	1-2
1.4	Specifications and Performance Data	1-2
	Reach Specifications	1-2
	Dimensional Data	1-2
	Chassis	1-2
1.5	Torque Requirements	1-3
1.6	Hydraulic Oil	1-3
1.7	Major Component Weights	1-4
1.8	Pressure Settings	1-5
1.9	Lubrication and Maintenance	1-7
SECTION 2 - GENERAL		
2.1	Machine Preparation, Inspection, and Maintenance	2-1
	General	2-1
	Preparation, Inspection, and Maintenance	2-1
	Pre-Start Inspection	2-1
	Pre-Delivery Inspection and Frequent Inspection	2-1
	Annual Machine Inspection	2-1
	Preventative Maintenance	2-1
2.2	Service and Guidelines	2-2
	General	2-2
	Safety and Workmanship	2-2
	Cleanliness	2-2
	Components Removal and Installation	2-2
	Component Disassembly and Reassembly	2-3
	Pressure-Fit Parts	2-3
	Bearings	2-3
	Gaskets	2-3
	Bolt Usage and Torque Application	2-3
	Hydraulic Lines and Electrical Wiring	2-3
	Hydraulic System	2-3
	Lubrication	2-4
	Battery	2-4
	Lubrication and Servicing	2-4
2.3	Lubrication and Information	2-4
	Hydraulic System	2-4
	Hydraulic Oil	2-4
	Changing Hydraulic Oil	2-4
	Lubrication Specifications	2-4
2.4	Cylinder Drift	2-5
	Theory	2-5
	Cylinder Leakage Test	2-5
	Cylinder Thermal Drift	2-5
2.5	Pins and Composite Bearing Repair Guidelines	2-6

MidWestTech | JLG 1200SJP, 1350SJP Boom Lift Service Manual | Publication 3121142 Order the manual at mid-west-tech.com >

SECTION NO.	TITLE	PAGE NO.
2.6	Welding on JLG Equipment	2-6
	Do the Following When Welding on JLG Equipment	2-6
	Do NOT Do the Following When Welding on JLG Equipment	2-6
SECTION 3 - CHASSIS & TURNTABLE		
3.1	Tires & Wheels	3-1
	Tire Inflation	3-1
	Tire Damage	3-1
	Wheel and Tire Replacement	3-1
	Wheel Installation	3-1
3.2	Extending Axles	3-2
3.3	Axle Limit Switch Adjustment Procedure	3-2
3.4	Drive System	3-3
3.5	Steering Control System	3-3
3.6	Drive/Steering Speed Control	3-4
3.7	Traction Control System	3-4
3.8	Drive Orientation System	3-4
3.9	Oscillating Axle System	3-20
3.10	Oscillating Axle Bleeding Procedure and Lockout Test	3-20
	Lockout Cylinder Bleeding	3-20
	Oscillating Axle Lockout Test	3-21
3.11	Wheel Drive Assembly	3-22
	Removal	3-22
	Installation	3-22
3.12	Drive Hub	3-23
	Removal	3-23
	Installation	3-23
3.13	Drive Motor	3-24
	Removal	3-24
	Installation	3-24
3.14	Drive Hub (Prior to SN 100131)	3-26
	Disassembly	3-26
	Disassembly of Cover	3-26
	Disassembly of the First Stage Planetary Assembly (7)	3-26
	Disassembly of Second Stage Planet Gears (1)	3-26
	Assembly of First Stage Planetary Assembly (7)	3-27
	Assembly of End Cover Unit (8)	3-27
	Final Assembly	3-27
	Initial Start-up And After Repairs	3-27
	Oil Change Interval-Gear Drive	3-27
3.15	Drive Hub - Bonfiglioli (SN 100128 to Present)	3-30
	Product Identification	3-30
	Hydraulic Motor Installation	3-30
	Installation of the Wheel Drive on the Machine	3-30
	Start Up and Running In	3-30
	General Information	3-31
	Connecting the Brake	3-31
	Filling-up the Gearbox with Lubricating Oil	3-31
	Gearbox Disengagement	3-33
	Maintenance Information	3-35
	Changing the Lubricating oil	3-35
	Troubleshooting	3-36
	Disassembly Information	3-36
	Disassembly Procedure	3-36
	Inspection of Parts	3-44
	Assembly	3-45
	Final Test and Reinstallation	3-55

MidWestTech | JLG 1200SJP, 1350SJP Boom Lift Service Manual | Publication 3121142 Order the manual at mid-west-tech.com >

SECTION NO.	TITLE	PAGE NO.
3.16	Drive Hub - Reggiana Riduttori (SN 134389 to Present)	3-60
	Symbol Nomenclature	3-60
	Tools	3-60
	Disassembly	3-65
	Assembly	3-69
3.17	Swing Drive	3-76
	Roll and Leak Testing	3-76
	Tightening and Torquing Bolts	3-76
	Motor Control Valve Disassembly	3-77
	Motor and Brake Disassembly	3-78
	Main Disassembly	3-79
	Hub-Shaft Disassembly	3-80
	Carrier Disassembly	3-81
	Hub-Shaft Sub-Assembly	3-82
	Carrier Sub-Assembly	3-82
	Main Assembly	3-83
	Motor and Brake Assembly	3-84
	Motor Control Valve Assembly	3-84
3.18	Swing Brake	3-88
	Pre-Installation Checks	3-88
	Installation	3-89
	Maintenance	3-89
	Disassembly	3-89
	Examination	3-89
	Assembly	3-89
3.19	Swing Motor	3-92
	Disassembly and inspection	3-92
	Assembly	3-99
	One Piece Stator Construction	3-106
3.20	Procedure For Setting Gear Backlash	3-107
3.21	Swing Drive Lubrication	3-108
3.22	Swing Bearing	3-109
	Turntable Bearing Mounting Bolt Condition Check	3-109
	Wear Tolerance	3-112
	Swing Bearing Removal	3-112
	Swing Bearing Installation	3-114
	Swing Bearing Torque Values	3-115
3.23	Swing Speed Proportioning	3-116
3.24	Chassis Tilt Indicator System	3-116
3.25	Rotary Coupling	3-117
3.26	Generator	3-121
	Every 250 hours	3-121
	Every 500 hours	3-121
	Overload Protection	3-122
	Inspecting Brushes, Replacing Brushes, and Cleaning Slip Rings	3-122
3.27	Auxiliary Power System	3-124
3.28	Cold Weather Package	3-126
3.29	Engine	3-126
	Glow Plugs	3-126
	Checking Oil Level	3-126
	Changing Engine Oil	3-126
	Changing the Oil Filter	3-127
	Replacing the Fuel Filter	3-128
	Cleaning the Fuel Strainer	3-128

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9. A. Oil Change w/Filter - Deutz 2011



Lube Point(s) - Fill Cap/Spin-on Element
Capacity -
5 Quarts (4.5 L) Cooling System
11 Quarts (10.5 L) w/Filter
16 Quarts (15 L) Total Capacity
Lube - EO
Interval - Check level daily; change every 500 hours or six months, whichever comes first. Adjust final oil level by mark on dipstick.

B. Oil Change w/Filter - Deutz TCD2.9



Lube Point(s) - Fill Cap/Spin-on Element
Capacity - 2.4 Gallon (8.9 L)
Lube - EO
Interval - Check level daily; change every 500 hours or six months, whichever comes first. Adjust final oil level by mark on dipstick.

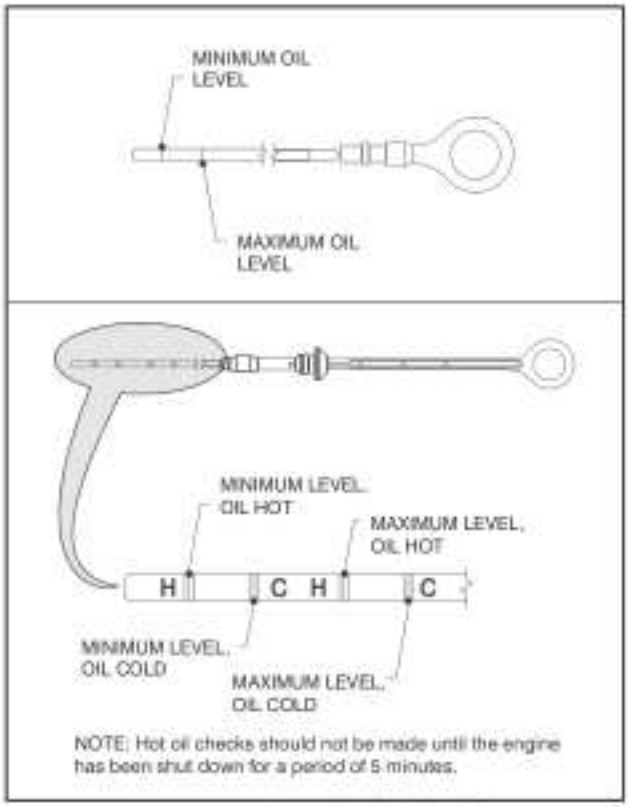


Figure 1-2. Deutz Engine Dipstick

10. A. Fuel Filter - Deutz 2011



Lube Point(s) - Replaceable Element
Interval - Every year or 600 hours of operation.

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NOTES:

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Table 6-20. Load Moment Pin Troubleshooting: Moment Pin Sensor Fault

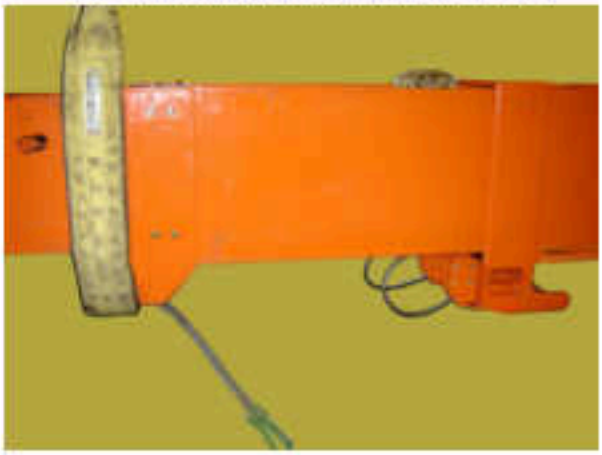
STEP	FAULT CODE/SYMPTOM	REPAIR	YES	NO
1	8/6 MOMENT PIN SENSOR FAULT The moment pin has reported a fault flag	Use the Analyzer, scroll to the DIAGNOSTICS menu, press ENTER, then scroll to the MOMENT menu, and press ENTER, check to see if PINE FLAGS has any numbers on the screen display.	Replace load moment pin & Perform the Boom Sensor calibration process	Contact JLG Service Dept.

Table 6-21. Load Moment Pin Troubleshooting: New Moment Pin Detected Fault

STEP	FAULT CODE/SYMPTOM	REPAIR	YES	NO
1	8/6 NEW MOMENT PIN DETECTED FAULT A moment pin was detected on the system different from the one used to calibrate the machine.	Perform the Boom Sensor calibration process to accept the new load moment pin.	Verify BCS check and review all faults prior to contacting JLG Service Dept.	Contact JLG Service Dept.

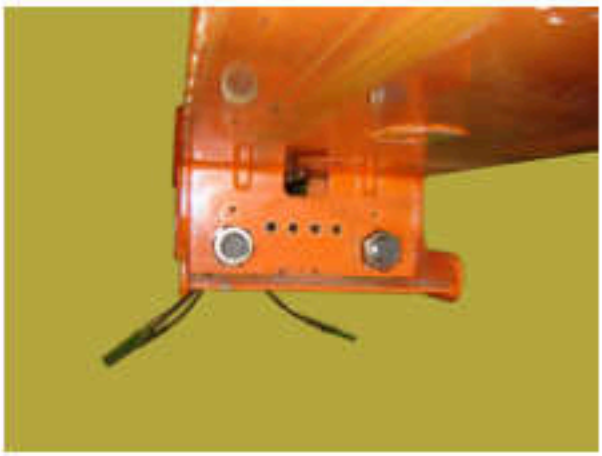
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21. Push the outer mid assembly into the inner mid while pulling the boom cables out the back fo the inner mid section at the same time. Leave 3 to 4 feet of the outer mid section sticking out of the inner mid section.



22. Push the retract cable ends into the mounting receptacles and install the cable sheaves and adjustment nuts.





23. Push the outer mid assembly almost completely into the inner mid boom section.



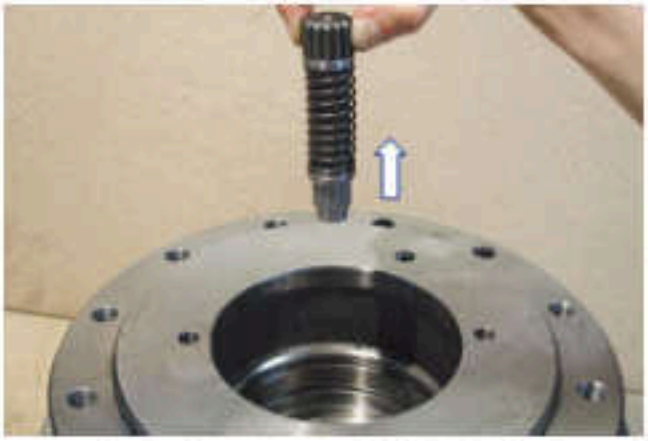
24. Install the cable retainer blocks over the fly boom retract cables and insert the fly boom extend cable into the mounting receptacles.





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13. Remove the disengagement shaft kit (15).



14. Place the disengagement shaft kit (15) inside the special tool (6689960240).



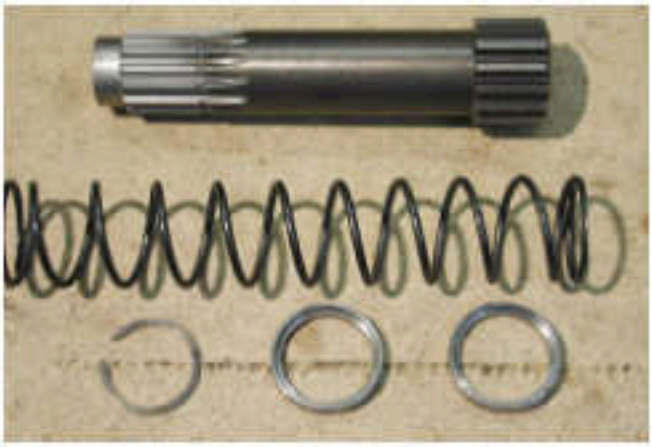
15. Tighten the 2 screws M5x16, grade 8.8, of the cover by a torque wrench to 18.4 ft.lbs. (25 Nm).



16. By using pliers remove the elastic ring (11) from the splined shaft (14).



17. Remove the special tool and remove the spring (13) and the washers (12).



18. Turn the gearbox upside down and unscrew the 2 screws M8x16 (4), grade 8.8, of the end cover (7).



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