An Oshkosh Corporation Company

Service & Maintenance Manual

Liftlux

Model 260-25

Prior to S/N 22107
Excluding S/N's: 19027
20824, 21674 & 21990

3121316

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1.8 PRESSURE SETTING

Cold temperatures have a significant impact on pressure readings. JLG Industries Inc. recommends setting the pressures with the operating temperature between 15°-20°C (59° - 68°F). JLG Industries Inc. also recommends the use of a calibrated gauge. The pressures may be set with a tolerence of ± 3 bar (43.5 psi).

Table 1-7. Pressure Settings

Main Relief	Steer Relief	Lift/Drive Relief
190 bar (2756 psi)	175 bar (2538 psi)	230 bar (3336 psi)

1.9 CRITICAL STABILITY WEIGHTS

⚠ WARNING

DO NOT REPLACE ITEMS CRITICAL TO STABILITY, SUCH AS BATTERIES OR SOLID TIRES, WITH ITEMS OF DIFFERENT-WEIGHT OR SPECIFICATION. DO NOT MODIFY UNIT IN ANY WAY TO AFFECT STABILITY.

Table 1-8. Critical Stability Weights

Component	Unit of Measure	
	kg	lb
Wheel and Tire Assembly (each)	225	496
Wheel/Tire and Drive Assembly (each)	290	639.3
Batteries - Standard (each)	24.6	54.2

1.10 COMPONENT WEIGHTS

Table 1-9. Component Weights

Fixed Platform	1505 kg (3317 lbs)
Chassis with Foam Filled Tires	8100 kg (17,857 lbs)
Arm Assembly	12,700 kg (27,998 lbs)
Lift Cylinder	1470 kg (3241 lbs)

1.13 LUBRICATION

Hydraulic Oil

Table 1-10. Hydraulic Oil

HYDRAULIC SYSTEM OPERATING TEMPERATURE RANGE	SAE VISCOSITY GRADE
-18° to -5° C (0° to +23° F)	10W
-18° to +100° C (0° to +210° F)	10W-20, 10W-30
+10° to +100° C (+50° to +210° F)	20W-20

NOTE: *Hydraulic oils must have anti-wear qualities at least to API Service Classification GL-3, and sufficient chemical stability for mobile hydraulic system service. JLG Industries recommends Mobilfluid 424 hydraulic oil, which has an SAE viscosity index of 152.*

NOTE: *Aside from JLG recommendations, it is not advisable to mix oils of different brands or types, as they may not contain the same required additives or be of comparable viscosities. If use of hydraulic oil other than Mobilfluid 424 is desired, contact JLG Industries for proper recommendations.*

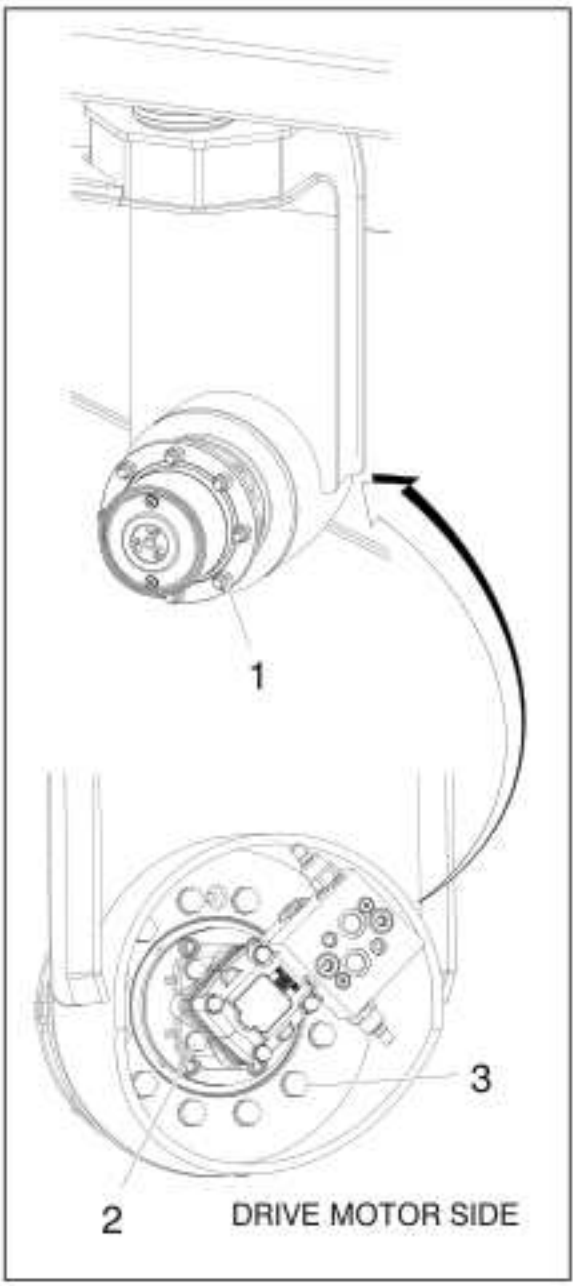
NOTE: *When temperatures remain below -7° C (20° F), JLG Industries recommends the use of Mobil DTE13M.*

NOTE: *Aside from JLG recommendations, it is not advisable to mix oils of different brands or types, as they may not contain the same required additives or be of comparable viscosities. If use of hydraulic oil other than DTE 13M is desired, contact JLG Industries for proper recommendations.*

Table 1-11. Mobil DTE 11M Specs

	Mobil 424	Mobil DTE 13M
ISO Viscosity Grade	10W-30	#32
Specific Gravity	29.0	.877
Pour Point, Max	-46°C (-43°F)	-40°C (-40°F)
Flash Point, Min	228°C (442°F)	166°C (330°F)
Viscosity		
at 40°C (104°F) at 100°C (212°F) Viscosity Index	55 cSt 9.3 cSt 152	33 cSt 6.5 cSt 140

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1. Torque to 680 Nm Dry (501.5 lb ft)
2. Torque to 313 Nm Dry (230.9 lb ft)
3. Torque to 313 Nm Dry (230.9 lb ft)

Figure 3-3. Hub Torque Values

Wheel Installation

It is extremely important to apply and maintain proper wheel mounting torque.

⚠ WARNING

WHEEL NUTS MUST BE INSTALLED AND MAINTAINED AT THE PROPER TORQUE TO PREVENT LOOSE WHEELS, BROKEN STUDS, AND POSSIBLE DANGEROUS SEPARATION OF WHEEL FROM THE AXLE. BE SURE TO USE ONLY THE NUTS MATCHED TO THE CONE ANGLE OF THE WHEEL.

Tighten the lug nuts to the proper torque to prevent wheels from coming loose. Use a torque wrench to tighten the fasteners. If you do not have a torque wrench, tighten the fasteners with a lug wrench, then immediately have a service garage or dealer tighten the lug nuts to the proper torque. Over-tightening will result in breaking the studs or permanently deforming the mounting stud holes in the wheels. The proper procedure for attaching wheels is as follows:

1. Start all nuts by hand to prevent cross threading. **DO NOT** use a lubricant on threads or nuts.
2. Tighten nuts in the following sequence:



3. The tightening of the nuts should be done in stages. Following the recommended sequence, tighten the nuts per wheel torque chart.

TORQUE SEQUENCE		
1st Stage	2nd Stage	3rd Stage
230 - 330 Nm (165-235 ft lbs)	430-530 Nm (305 - 380 ft lbs)	620 - 680 Nm (460 - 485 ft lbs)

4. Wheel nuts should be torqued after the first 50 hours of operation and after each wheel removal. Check torque every 3 months or 150 hours of operation.

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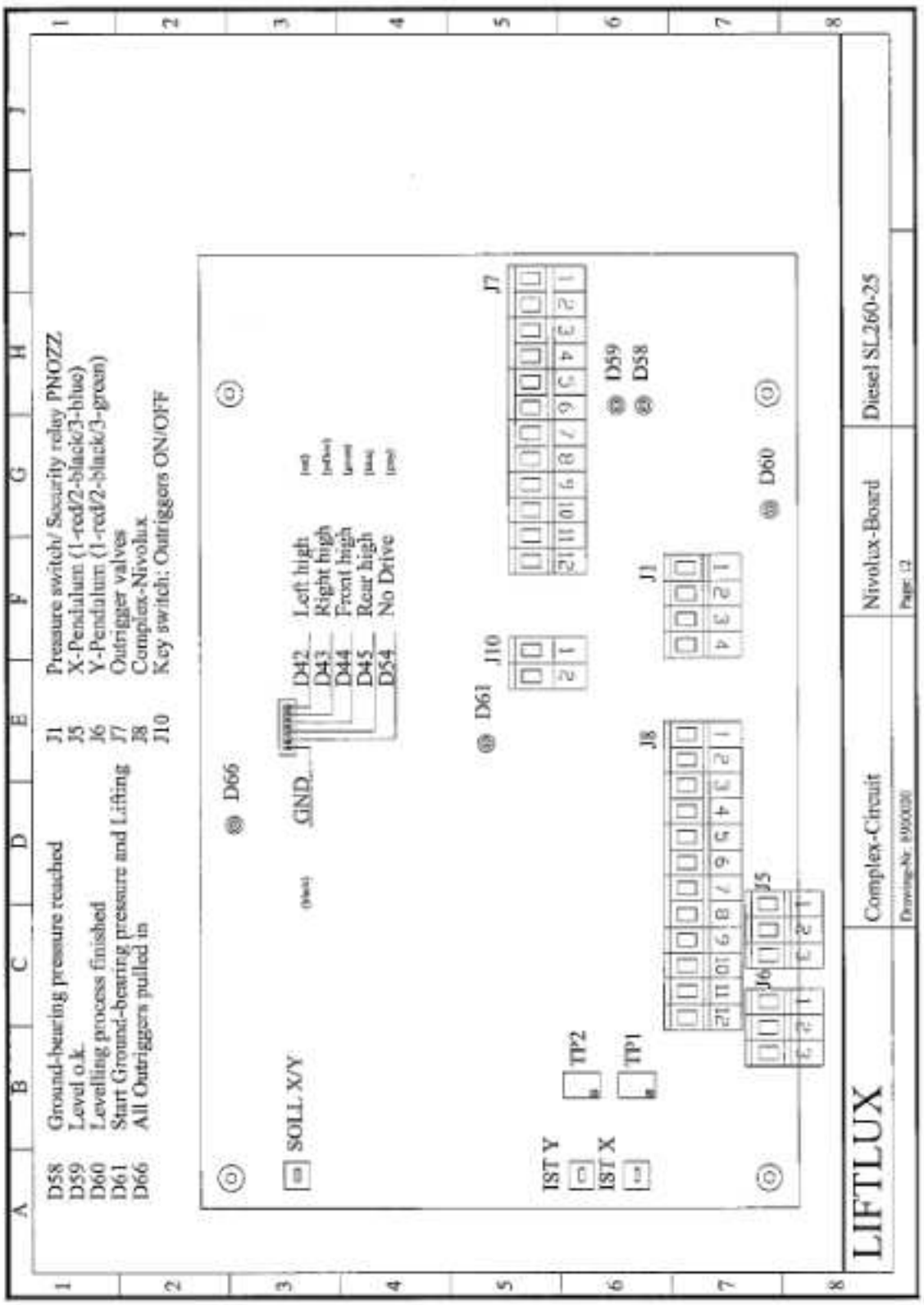


Figure 6-30. Electrical Schematic - Sheet 13 of 14

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