Service & Maintenance Manual

Liftlux

Model
203-24

Prior to S/N 12377
S/N 12379 to 14129
S/N 14131 to 15417

3121307

September 5, 2007

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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 Setting

Main Relief
210 bar (3046 psi)

1.9 MAJOR COMPONENT WEIGHTS

Table 1-8. Major Component Weights

Platform Assembly (including extension)	890 kg (1962 lbs)
Platform Extension	390 kg (860 lbs)
Chassis	3800 kg (8377 lbs)
Arm Assembly	5100 kg (11,243 lbs)
Lift Cylinder	450 kg (992 lbs)

1.10 CRITICAL STABILITY WEIGHTS

⚠ WARNING

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

Table 1-9. Critical Stability Weights

Component	Unit of Measure	
	kg	lb
Wheel and Tire Assembly (each)	200	441
Wheel/Tire and Drive Assembly (each)	246	542
Batteries - Standard (each)	24.6	54

1.11 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: *When temperatures remain below -7°C (20°F), JLG Industries recommends the use of Mobil DTE 13M.*

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 or DTE 13M is desired, contact JLG Industries for proper recommendations.*

Table 1-11. Mobil Hydraulic Oil Specs

	Mobil 424	Mobil DTE 13M
ISO Viscosity Grade	10W-30	#32
Specific Gravity	29.0	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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Scissor Arm Assembly Removal

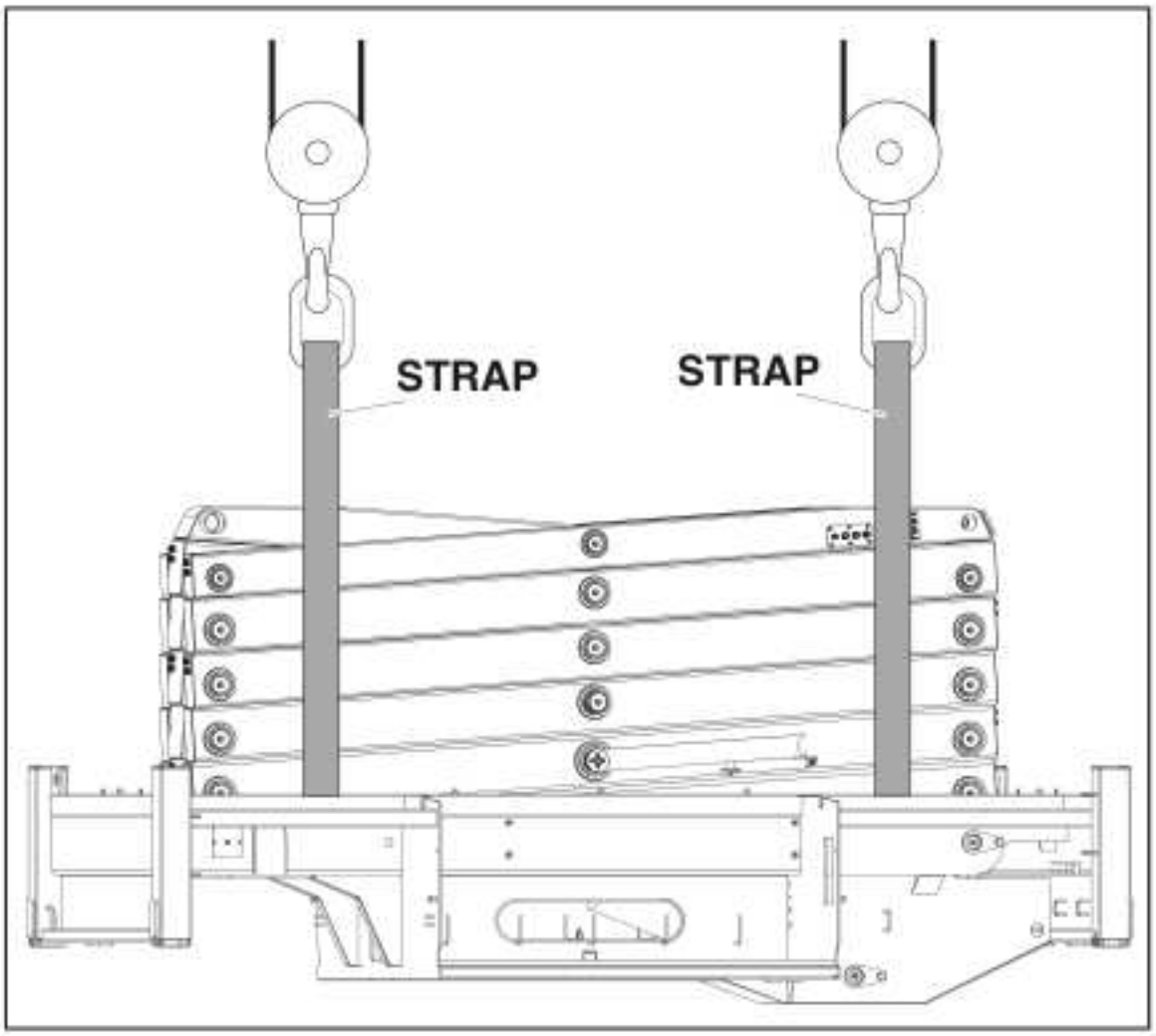
⚠ WARNING

EXTREME CAUTION MUST BE USED WHILE REMOVING ANY LARGE COMPONENTS. THESE COMPONENTS ARE EXTREMELY HEAVY AND CAN CAUSE SERIOUS INJURY OR DEATH IF NOT REMOVED CAUTIOUSLY.

NOTE: *It is recommended to remove the scissor arm assembly as a whole unit.*

1. Disconnect all hoses and wires connecting the scissor assembly to the chassis and platform.
2. Remove the platform from the scissor arm assembly. (See Platform Removal procedures on pages 3-31 and 3-32)
3. Remove the arm guards. (See Arm Guards removal instructions on the previous page)
4. Secure scissor arm assembly with two lifting straps attached to an overhead lifting device.

NOTE: *Scissor arm assembly weighs approximately 5066 kg (11,169 lbs). Straps and lifting device must be capable of lifting the scissor assembly.*



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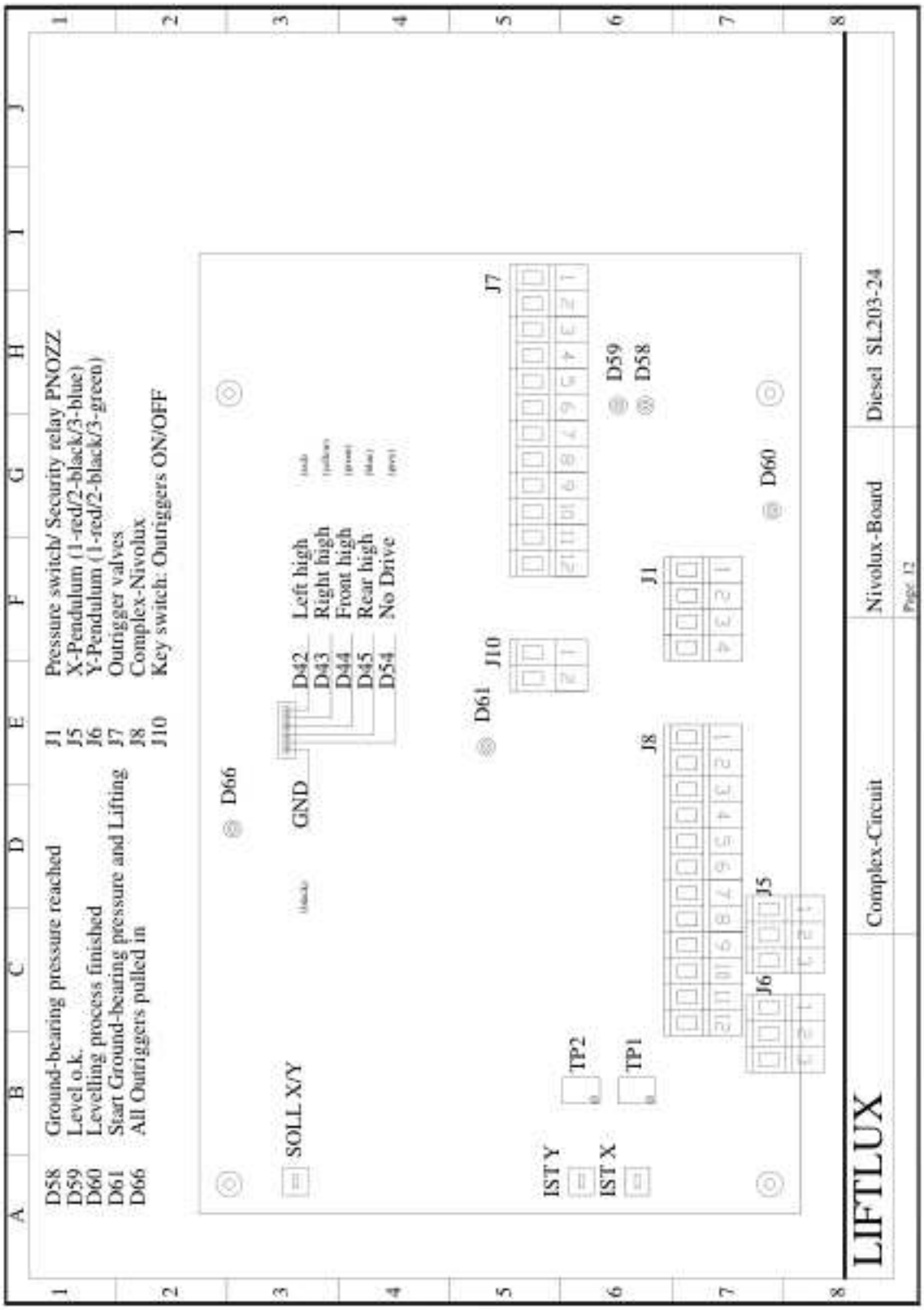


Figure 6-30. Electrical Schematic - Sheet 13 of 14

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