An Oshkosh Corporation Company

Service Manual

Models
G5-18A & 2505H
Agrovector
25.5

SN 0160053000 to Present including
0160051045, 0160051047, 0160051049,
0160051194 & 0160051359

31200926

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2.2.5 Engine Performance Specifications

Description	
Engine Make/Model	Deutz TD L4
Displacement	177 in^3 (2.9 L)
Low Idle	975 - 1075 rpm
High Idle	2300 - 2400 rpm
Horsepower	74 HP (55 kW) @ 2300 rpm
Peak Torque	192 lb-ft (260 Nm) @ 1800 rpm
Fuel Delivery	Fuel Injection
Air Cleaner	Dry Type, Replaceable Primary and Safety Elements

2.2.6 Tires

Note: *Standard wheel lug nut torque is 220 lb-ft (300 Nm).*

Note: *Pressures for Foam filled tires are for initial fill ONLY.*

Size	Tire Type	Minimum Ply/ Star Rating	Fill Type	Pressure
12 - 16.50 (305/70D16.5)	Duraforce DT	Bias 12 Ply	Pneumatic	80 psi (5,5 bar)
			Foam - Approximately 220 lb (100 kg)	
14 - 17.50 (355/70D17.5)	Outrigger	Bias 14 Ply	Pneumatic	70 psi (4,8 bar)
			Foam - Approximately 220 lb (100 kg)	
10.5 - 18	MPT-01 TL	Bias 16 Ply	Pneumatic	87 psi (6,0 bar)
33x12 - 20	Non–Marking (White)			

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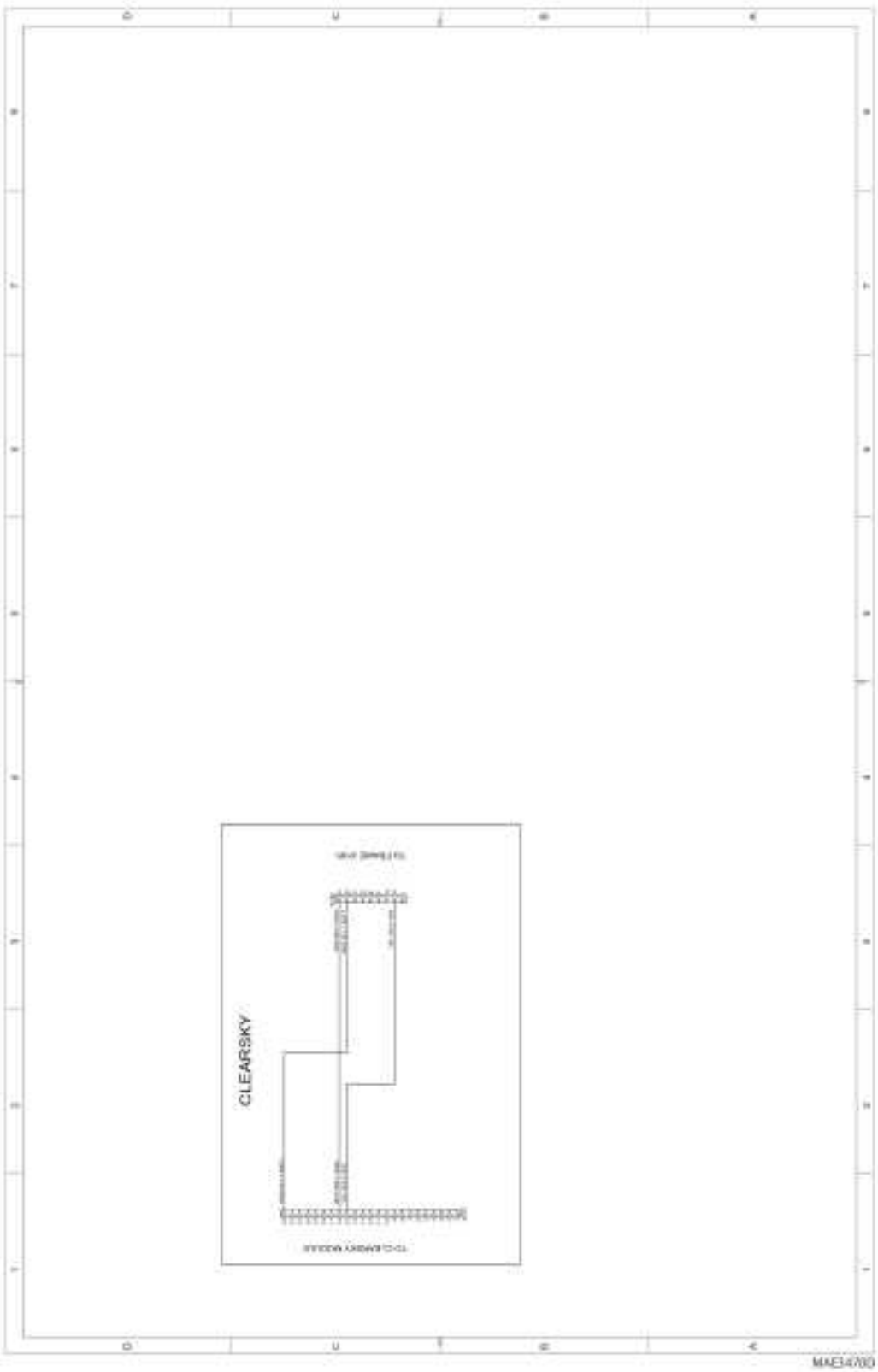
3.10 TROUBLESHOOTING

This section provides an easy reference guide covering the most common problems that occur during operation of the boom.

Problem	Possible Causes	Remedy
1. Boom will not extend or retract.	1. Broken hydraulic hose(s) or tube(s) and/or connections leaking.	1. Locate break, replace hose(s) or tube(s), tighten connections.
	2. Extend/Retract hydraulic system not operating properly.	2. Refer to Section 8.7, "Hydraulic Schematic".
	3. Faulty extend/retract cylinder.	3. Repair cylinder (Refer to Section 8.12, "Hydraulic Cylinders").
2. Boom will not fully extend.	1. Extend/retract hydraulic system not operating properly.	1. Refer to Section 8.7, "Hydraulic Schematic".
3. Boom shifts to right or left when extending.	1. Boom side wear pads improperly shimmed or worn.	1. Shim wear pads to correct gap. Replace wear pads as needed. Refer to Section 3.5.2, "Wear Pad Installation and Lubrication".
4. Excessive pivot pin noise and/or wear.	1. Insufficient lubrication.	1. Lubricate at regular intervals. (Refer to Section 2.5, "Lubrication Schedule") Replace worn pins as needed.
	2. Worn bushing(s).	2. Replace bushing(s) and lubricate at regular intervals (Refer to Section 2.5, "Lubrication Schedule").
5. Boom will not raise or lower.	1. Broken hydraulic hoses or tubes and/or connection leaks.	1. Locate break, replace hose(s) or tube(s), tighten connections.
	2. Lift/lower hydraulic system not operating properly.	2. Refer to Section 8.7, "Hydraulic Schematic".
	3. Faulty lift cylinder.	3. Repair cylinder. (Refer to Section 8.12, "Hydraulic Cylinders").
	4. Seized boom pivot pin bushing.	4. Replace bushing.

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i. ClearSky Schematic



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3. AMP Mate-N-Lok



MAE3270

This connector system is widely used inside enclosures for general-purpose interconnect. Follow the general guidance for installation.

4. DIN Connectors



MAE3280

This connector system is typically used on hydraulic valves at JLG. Follow the general guidance for installation.

9.5.2 Exclusions

1. M12 with Gold Contact Material



MAE3290



MAE3300

The connector uses gold contact material to resist corrosion and an o-ring seal for moisture integrity. If dielectric grease is mistakenly applied to this connector system, the low-force contacts cannot displace the grease to get electrical contact. Once contaminated, there is no practical way to remove the dielectric grease (replacement of female contacts required). The JLG Load Sensing System and 1250AJP Rotary Angle Sensors are examples of components with the M12 connector system.

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