Service Manual

Models
742, 943, 1043,
1055, 1255

PVC 1911
PVC 2005

31211369

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An Oshkosh Corporation Company

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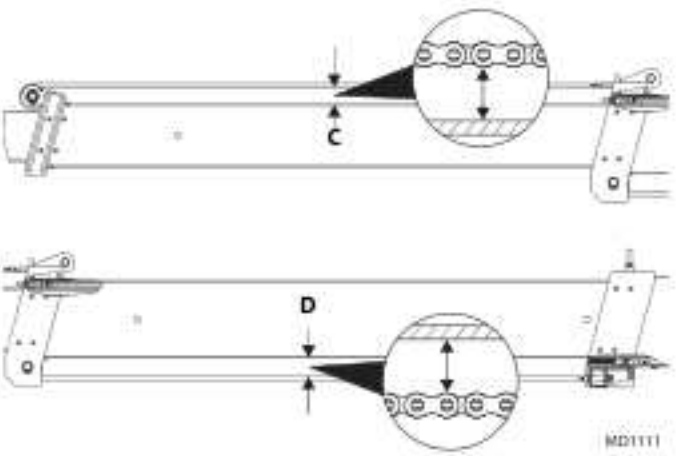
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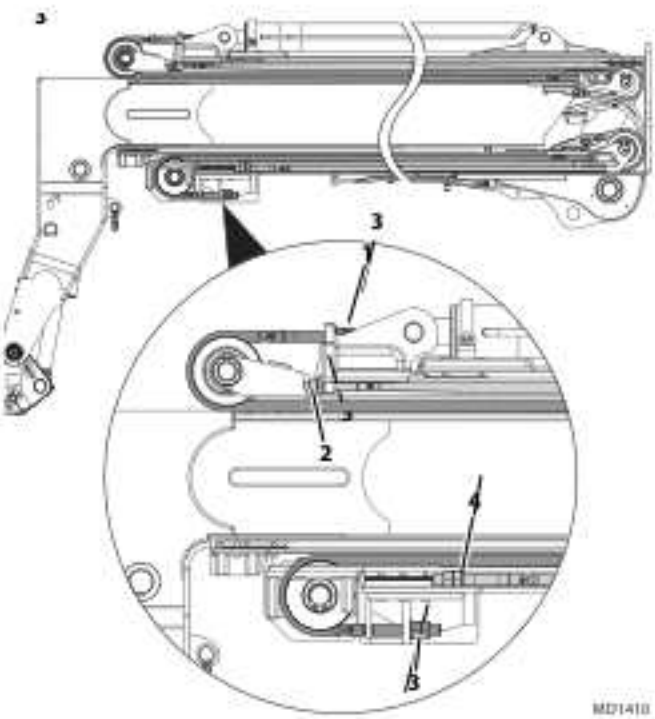
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5. Set the "SAG" in the chains to the following dimensions:
   For **1055,**
   C. 3.94 - 4.13 in (100 - 105 mm)
   D. 5.20 - 5.39 in (132 - 137 mm)

   For **1255,**
   C. 5.16 - 5.35 in (131 -136 mm)
   D. 6.42 - 6.61 in (163 -168 mm)



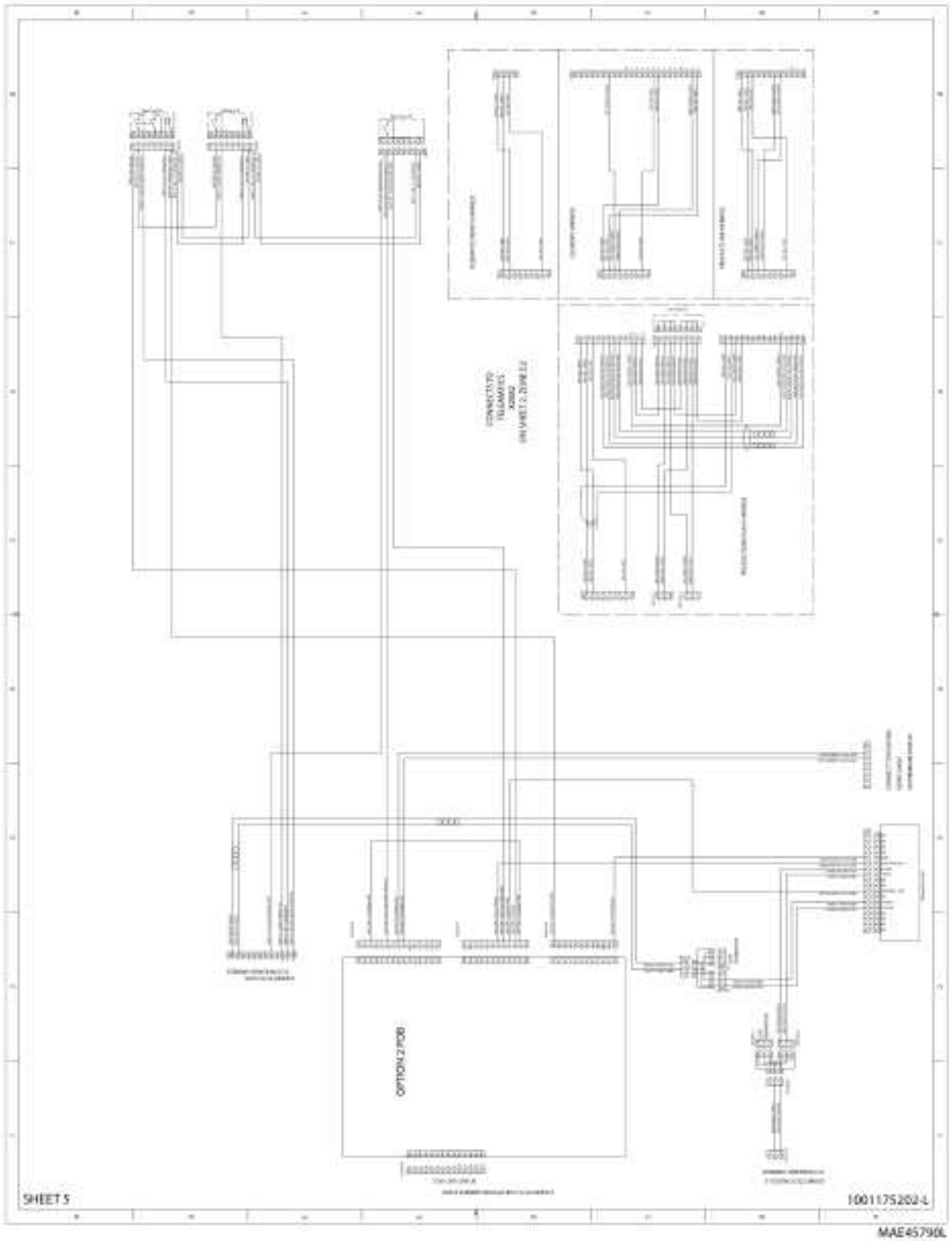
6. Tighten adjusting nut (**1**) to move the 4th boom section out.
   Tighten adjusting nut (**2**) to move the 4th boom section in.
   Tighten adjusting nut (**3**) to move the 3rd boom section in.
   Tighten adjusting nuts (**4**) to move the 3rd boom section out.
7. Tighten the extend and retract chain lock nuts to 86 lb-ft (120 Nm) against the adjusting nut.

Note: *Ensure that there is a minimum of one full thread of the clevis showing beyond the lock nut.*

8. Start the machine and retract boom fully. Check dimensions (**A** and **B**).
9. Start the machine and cycle the extend-retract cylinder a minimum of three times to verify dimensions (**A** and **B**).

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d. Cab Harness Electrical Schematic 4 of 4



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9.15 TELEMATICS GATEWAY

Personnel using machines equipped with an optional telematics gateway will be able to view the following data through their telematics device:

JLG LABEL	DESCRIPTION	UNIT
Engine Speed	Actual engine speed.	RPM
DEF Tank Level (If Equipped)	If machine is equipped, indicates level of DEF (diesel exhaust fluid) within DEF tank. • 0% = Empty • 100% = Full	Percentage (%)
JLG Machine Faults: Active / Not-Active	• 00 - No Machine Faults • 01 - Active Machine Fault • 10 - Error • 11 - Not available	Bit
Total Idle Fuel Used	Total amount of fuel used during vehicle operation during idle conditions.	Liters
Total Idle Hours	Total time of engine operation during idle conditions.	Seconds
Total Engine Hours	Total time of engine operation.	Seconds
Total Fuel Used	Total amount of fuel used during vehicle operation.	Liters
Fuel Rate	Amount of fuel consumed by engine per unit of time.	Liters/Hour
Fuel Level	Ratio of fuel volume to total volume of fuel storage container. When a low fuel limit switch is present, fuel level indicates "full" until switch opens, indicating 10% fuel remaining. When Fuel Level 2 (SPN 38) is not used, Fuel Level 1 represents total fuel in all fuel storage containers. When Fuel Level 2 is used, Fuel Level 1 represents fuel level in primary or left side fuel storage container.	Percentage (%)
DM1 Engine Faults	Shows actual engine fault codes.	N/A

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9.6 DIELECTRIC GREASE APPLICATION

Dielectric grease helps to prevent corrosion of electrical contacts and improper conductivity between contacts from moisture intrusion. Non-waterproof connectors benefit from the application of dielectric grease.

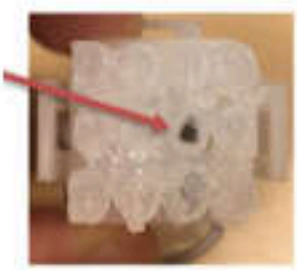
9.6.1 Installation

1. The following is general guidance for the installation of dielectric grease in a connector system.
2. Use dielectric grease in a tube for larger connection points or apply with a syringe for small connectors.
3. Apply dielectric grease to plug/male connector housing which typically contains sockets contact/female terminals.
4. Leave a layer of dielectric grease on the mating face of the connector, completely covering each connector terminal hole. Refer the pictures shown below.
5. Assemble the connector system immediately to prevent moisture ingress or dust contamination.

The following connector systems are specifically addressed because of their widespread use at JLG. However, this guidance may be applied to similar devices.Deutsch HD, DT, DTM, DRC Series

AMP Mate-N-Lok

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



Improper



Proper

AMP Faston

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



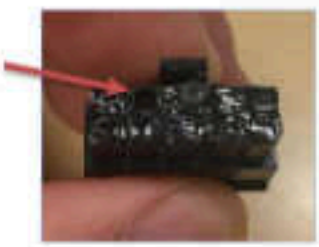
Improper



Proper

AMP Micro-Fit

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



Improper



Proper

AMP Mini Fit Jr

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



Improper



Proper

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