Service Manual

Models

3614RS
4017RS

PVC 1911
PVC 2005

31211337

July 08, 2020 - Rev B

An Oshkosh Corporation Company

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2.2.6 Tires

Note: *Wheel lug nut torque is 430-470 Nm (317-347 lb-ft)*

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

a. 3614RS

Size	Tire Type	Minimum Ply/ Star Rating	Fill Type	Pressure
15.5/80-24	TR01	16 Ply	Pneumatic	4,1 Bar (59 psi)
15.5-25	L-2	12 Ply	Pneumatic	4,0 Bar (58 psi)
			Foam	186 kg (410 lb)
400/80-24	Power CL	N/A	Pneumatic	4,0 Bar (58 psi)
370/75-28	DuraForce MH	14 Ply	Pneumatic	5,25 Bar (76 psi)

b. 4017RS

Size	Tire Type	Minimum Ply/ Star Rating	Fill Type	Pressure
14-24	TG02	16 Ply	Pneumatic	4,25 Bar (62 psi)
14-24	SGG-2A	16 Ply	Pneumatic	4,75 Bar (69 psi)
			Foam	245 kg (540lb)
14-24	L2/G2	Radial	Pneumatic	5,5 Bar (80 psi)
400/75-28	DuraForce MH	16 Ply	Pneumatic	5,25 Bar (76 psi)

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Problem	Possible Causes	Remedy
7. Axle overheating.	1. Oil level too high.	1. Fill oil to correct level. Refer to Section 2.3, "Fluids and Lubricant Capacities".
	2. Axle and/or wheel end housings filled with incorrect oil or oil contaminated or oil level low.	2. Drain axle and fill to correct level. Refer to Section 2.3, "Fluids and Lubricant Capacities".
	3. Dragging park brake.	3. Adjust park brake cable as needed. Refer to Section Note:, "Service brake circuit will need to bled after axle installation. Refer to Section 8.9.3, "Service Brake Bleeding"."
8. High steering effort required.	1. Steering (hydraulic) system not operating properly.	1. Refer to Section 8.5, "Hydraulic Circuits".
	2. Excessive joint housing swivel bearing preload.	2. Correct bearing preload by adding or removing shims as needed.
	3. Worn or damaged swivel bearings.	3. Replace swivel bearings as needed.
9. Slow steering response.	1. Steering (hydraulic) system not operating properly.	1. Refer to Section 8.5, "Hydraulic Circuits".
	2. Steering cylinder leaking internally.	2. Repair or replace steering cylinder as needed.
10. Excessive noise when brakes are engaged.	1. Brake discs worn.	1. Check brake discs for wear. Refer to Section 5.5, "Brake Inspection".
	2. Brake discs damaged.	2. Replace brake discs.
11. Brakes will not engage.	1. Brake (hydraulic) system not operating properly.	1. Refer to Section 8.5, "Hydraulic Circuits".
	2. Brake piston O-rings and seals damaged (leaking).	2. Replace O-rings and seals.
12. Brakes will not hold the machine or braking power reduced.	1. Brake discs worn.	1. Check brake discs for wear. Refer to Section 5.5, "Brake Inspection".
	2. Brake (hydraulic) system not operating properly.	2. Refer to Section 8.9.3, "Service Brake Bleeding".
	3. Brake piston O-rings and seals damaged (leaking).	3. Replace O-rings and seals.

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Message	Fault Code	Indicators	Other Actions Taken	Trigger for Fault	Latch Until
AUXILIARY FUNCTION-B VALVE – OPEN CIRCUIT	33199	5000mS	• RFCM J3-D1 Auxiliary A prevented • RFCM J3-E1 Auxiliary B prevented • RFCM J2-A4 / RFCM J2-B4 Auxiliary A / Auxiliary B Valve prevented • RFCM J1-E4 Auxiliary Front 1/2 Valve prevented • RFCM J1-B4 Auxiliary Front / Rear Valve prevented • RFCM J1-D4 Auxiliary Rear 1/2 Valve prevented • Auxiliary De-Compression prevented • Continuous Auxiliary Hydraulics prevented • Hydraulic Quick Connect prevented	Machine Setup's AUXILIARY HYDRAULICS is YES, Open-circuit detected on RFCM J3-E1	Power cycled
AUXILIARY FUNCTION-B VALVE – SHORT TO GROUND	33200	Continuously	• RFCM J3-D1 Auxiliary A prevented • RFCM J3-E1 Auxiliary B prevented • RFCM J2-A4 / RFCM J2-B4 Auxiliary A / Auxiliary B Valve prevented • RFCM J1-E4 Auxiliary Front 1/2 Valve prevented • RFCM J1-B4 Auxiliary Front / Rear Valve prevented • RFCM J1-D4 Auxiliary Rear 1/2 Valve prevented • Auxiliary De-Compression prevented • Continuous Auxiliary Hydraulics prevented • Hydraulic Quick Connect prevented	Machine Setup's AUXILIARY HYDRAULICS is YES, Short to ground detected on RFCM J3-E1	Power cycled
HYDRAULIC QUICK CONNECT SELECT – OPEN CIRCUIT	33204	5000mS	• RFCM J3-D1 Auxiliary A prevented • RFCM J3-E1 Auxiliary B prevented • RFCM J2-A4 / RFCM J2-B4 Auxiliary A / Auxiliary B Valve prevented • RFCM J1-E4 Auxiliary Front 1/2 Valve prevented • RFCM J1-B4 Auxiliary Front / Rear Valve prevented • RFCM J1-D4 Auxiliary Rear 1/2 Valve prevented • RFCM J1-B4 Auxiliary Front / Rear Valve prevented • RFCM J1-D4 Auxiliary Rear 1/2 Valve prevented • Auxiliary De-Compression prevented • Continuous Auxiliary Hydraulics prevented • Hydraulic Quick Connect prevented	Machine Setup's HYDRAULIC QUICK CONNECT is YES; open-circuit is detected on RFCM J1-F4 Hydraulic Quick Connect Valve for 500mS	Power cycled

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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.

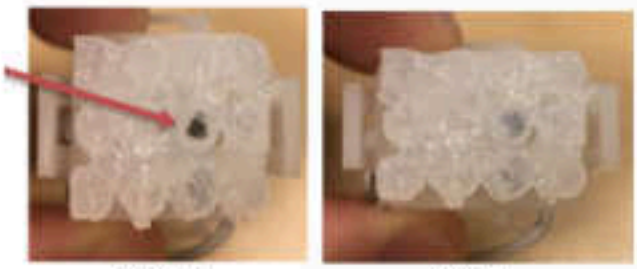
9.6.1 Installation

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.

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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