An Oshkosh Corporation Company

Service & Maintenance Manual

Models

2632R
3246R

3121788

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An Oshkosh Corporation Company

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Platform Capacities

Table 1-2. Platform Capacities

DESCRIPTION	3246R	2632R
Operating Personnel Indoor Outdoor Outdoor (AUS Only)	 2 persons 1 person 1 person	 2 persons 1 person *
Platform Rated Load Indoor Outdoor (All Markets) Outdoor (AUS Only)	 705 lb (320 kg) 507 lb (230 kg) 705 lb (320 kg)	 507 lb (230 kg) 275 lb (125 kg) *
Extension Deck Rated Load	265 lb (120 kg)	
Maximum Operating Wind Speed Indoor Outdoor	 0 mph (0 m/s) 28 mph (12.5 m/s)	
Maximum Horizontal Side Force Indoor Outdoor	 90 lb (400 N) 45 lb (200 N)	

NOTE: *(*) Machine 2632R does not have outdoor functionality in the AUS market.*

NOTE: *INDOOR USE is use of a MEWP in areas shielded from wind so that there is no wind. OUTDOOR USE is use of a MEWP in an environment that can be exposed to wind.*

Machine Dimensional Data

Table 1-3. Dimensions

DESCRIPTION	3246R	2632R
Maximum Platform Height	32 ft (9.75 m)	25.50 ft (7.77 m)
Overall Machine Height (Stowed) Telescope Rails Dual Rails Rails Folded	 7.96 ft (2.43 m) 8.03 ft (2.45 m) 6.47 ft (1.97 m)	 7.30 ft (2.23 m) 7.29 ft (2.22 m) 5.81 ft (1.77 m)
Overall Machine Height (Elevated) Telescope Rails Dual Rails	 35.72 ft (10.89 m) 35.78 ft (10.91 m)	 29.17 ft (8.89 m) 29.23 ft (8.91 m)
Platform Height (Ground to Platform Floor) Stowed Elevated Safety Prop Engaged	 4.24 ft (1.29 m) 32 ft (9.75 m) 8.50 ft (2.59 m)	 3.63 ft (1.11 m) 25.50 ft (7.77 m) 7.15 ft (2.18 m)
Rail Height (Platform Floor to Top of Rail) Telescope Rails Dual Rails	 3.72 ft (1.13 m) 3.78 ft (1.15 m)	 3.66 ft (1.12 m) 3.66 ft (1.12 m)
Overall Machine Width	3.83 ft (1.17 m)	2.67 ft (0.81 m)
Overall Machine Length	7.86 ft (2.40 m)	
Extension Deck Length	3 ft (0.91 m)	2.83 ft (0.86 m)
Wheelbase	6.18 ft (1.88 m)	

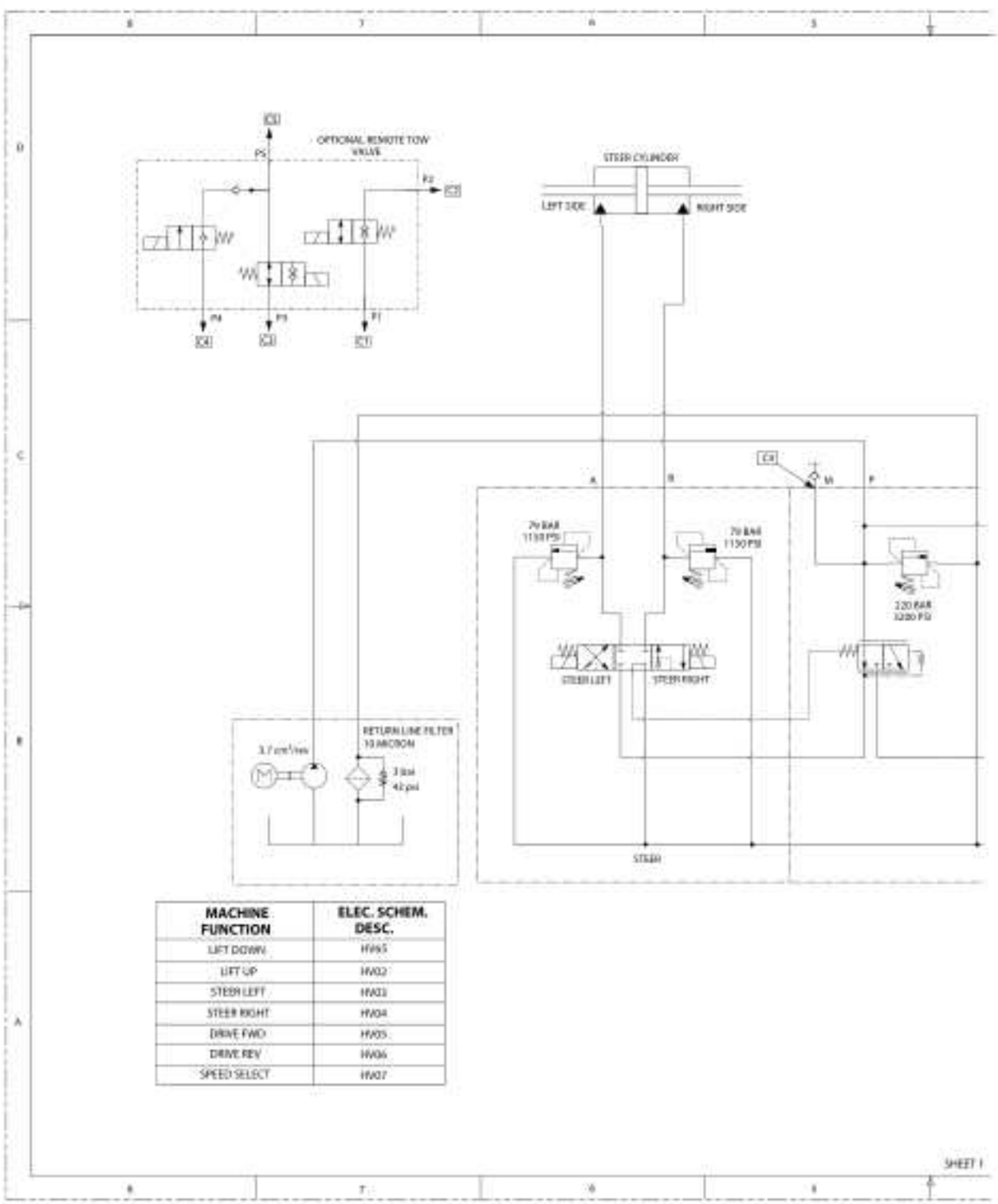
Tires

Table 1-4. Tire Specifications

DESCRIPTION	3246R	2632 R
Size	16 in. x 5 in. (406 mm x 127 mm)	
Wheel Nut Torque (2 inch (51mm) - Slotted Nut with Cotter Pin)	150 ft. lbs. (203 Nm)	

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4.15 HYDRAULIC SCHEMATICS



MACHINE FUNCTION	ELEC. SCHEM. DESC.
LIFT DOWN	HV01
LIFT UP	HV02
STEER LEFT	HV03
STEER RIGHT	HV04
DRIVE FWD	HV05
DRIVE REV	HV06
SPEED SELECT	HV07

Figure 4-27. Hydraulic Schematic (3246R) - Sheet 1 of 2

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Table 7-1. Diagnostic Trouble Codes (DTC)

DTC	Help Message	Alarm	Flash Code	Action	Trigger	3246R
9957	POWER MODULE FAILURE – INTERNAL ERROR	None	9_9	• DriveState = PREVENTED • LiftUpState = PREVENTED	**Curtis Code 68: VCL Run Time Error** **Set:** Runtime VCL code error condition **Effect:** ShutdownMotor,ShutdownMainContactor,ShutdownEMBrake, ShutdownThrottle, Shutdown Interlock, Shutdown Drivers1-4, ShutdownPD, FullBrake, ShutdownPump **Possible Cause:** • VCL code encountered a runtime VCL error • See Monitor menu:>>Controller. This error can then be compared to the runtime VCL module ID and error code definitions found in the specific OS system information file.	X
9958	POWER MODULE FAILURE – INTERNAL ERROR	None	9_9	• DriveState = PREVENTED • LiftUpState = PREVENTED	**Curtis Code 91: VCL/OS Mismatch** **Set:** VCL and OS software do not match; when KSI cycles, a check is made to verify that they match and a fault isssued when they do not. **Effect:** ShutdownMotor,ShutdownMainContactor,ShutdownEMBrake, ShutdownThrottle, Shutdown Interlock, Shutdown Drivers1-4, ShutdownPD, FullBrake, ShutdownPump **Possible Cause:** • The VCL software in the controller does not match the OS software in the controller.	X
9959	POWER MODULE FAILURE – INTERNAL ERROR	None	9_9	• DriveState = PREVENTED • LiftUpState = PREVENTED	**Curtis Code 44: Pump Throttle Wiper Low** **Set:** Pot2 wiper voltage is lower than the low fault threshold (can be changed with the VCL funciton Setup_Pot_Faults()) **Effect:** ShutdownPump (if Lift_Switch_Only_Enable=Off), ShutdownPD (If Lower_Switch_Only_Enable=Off) **Possible Cause:** • See Monitor Menu:>> Inputs: Pot2 Raw • Pot2 wiper voltage too low	X
997	POWER MODULE FAILURE - CHECK POWER CIRCUITS OR MOSFET SHORT CIRCUIT	None	9_9	• DriveState = PREVENTED • LiftUpState = PREVENTED	**Curtis Code 95: Pump Overcurrent Fault** **Set:** Pump current exceeded the current measurement limit. **Effect:** ShutdownPump **Possible Cause:** • External short of the pump motor • Controller defective	X
998	EEPROM FAILURE – CHECK ALL SETTINGS	None	9_9	• Enter SafeMode • LiftDownState = PREVENTED	The control system detected an EEPROM failure. Personalities and Machine Setup settings may be reset to default values. Check / correct all settings and re-cycle power to clear difficulty. • The Ground Module's EEPROM checksum indicates corruption. Retained until EEPROM settings are corrected and power is re-cycled.	X

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AMP Mate-N-Lok

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



AMP Faston

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



AMP Micro-Fit

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



AMP Mini Fit Jr

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



Mini Fit Sr

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



DIN Connectors

This connector is typically used on hydraulic valves. Follow the installation instructions



Exceptions

A limited number of connectors do not benefit from dielectric grease, or may be permanently damaged by application. Dielectric grease may not be required in properly sealed enclosures.

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Table 2-2. Preventive Maintenance & Inspection Schedule. (Continued)

AREA ON MACHINE	INSPECTIONS	
	PRE-DELIVERY [1] OR FREQUENT [2] INSPECTION	ANNUAL [3] (YEARLY) INSPECTION
Functions/Controls		
Control levers, switches, gauges and instruments	1,3	1,3
Detents properly lock, Control enclosure and protective	1,3	1,3
Emergency stop switches at ground and platform	1,3	1,3
Lift, drive and speed cut-outs	3	3
Auxiliary power system	3	3
Function enable system	3	3
Brakes		1,5
Machine functions	3	3
Joystick/toggle return to neutral/off when released	1,3	1,3
Batteries	4	4
Battery Fluid	4	4
Battery Charger		3
HYDRAULIC/ELECTRIC SYSTEM		
Hydraulic cylinders	1,7	2,4,5
Pumps, oil lines and reservoir	1	4
Hydraulic filter	5	5
Hydraulic tank, cap, breather and vent	1	4
Hydraulic fitting	1	4
Electrical Connections	1,3	1,3
Switches, gauges, horn and lights	1,3	1,3
Switches and controls	1,3	1,3
All hydraulic pressures	3	3
Hydraulic Fluid	8	8
GENERAL		
No unauthorized modification or additions	9	9
Paint and overall appearance.	5	5
Operation and safety manual	9	9
General Structural Condition and Welds	2	2
Grease and lubrication specification	9	9
Function test of all system	9	9
Notify JLG change in machine ownership		9
ANSI and AEM handbook	9	9
Capacity Decals	9	9
All decals/placards	9	9

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