An Oshkosh Corporation Company

Service & Maintenance Manual

Models

1532R
1932R

3121745

May 4, 2018 - Rev E

ANSI CE CSA AS/NZS

An Oshkosh Corporation Company

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Platform Capacities

Table 1-2. Platform Capacities

SPECIFICATION	MACHINE MODEL	MAXIMUM PLATFORM CAPACITY (1)	MAXIMUM CAPACITY ALLOWED ON PLATFORM EXTENSION	MAXIMUM PERSONS ALLOWED IN PLATFORM	MAX. SIDE FORCE (Platform Fully Extended @ Max. Capacity)	MAXIMUM OPERATING WIND SPEED
ANSI/JPN /CSA	1532R	600 lb. (272 kg)	250 lb. (113 Kg)	2	100 lb. (445 N)	28 mph (12.5 m/s)
CE/AUS	1532R	275 kg	120 Kg	Indoor - 2 Persons + 115 Kg	400 N	0 m/s
		125 kg		Outdoor - 1 Person + 45 Kg	200 N	12.5 m/s
ANSI/JPN /CSA	1932R	550 lb. (250 kg)	250 lb. (113 Kg)	2	100 lb. (445 N)	28 mph (12.5 m/s)
CE/AUS	1932R	230 kg	120 Kg	Indoor - 2 Persons + 70 Kg	400 N	0 m/s
		125 kg		Outdoor - 1 Person + 45 Kg	200 N	12.5 m/s

NOTE: *(1) Maximum Platform Capacity includes platform and platform extension.*

Machine Dimensional Data

Table 1-3. Dimensions

DESCRIPTION	1932R	1532R
Platform Height - Elevated (Ground to Platform Floor)	19 ft. (5.8 m)	15 ft. (4.6 m)
Platform Height - Stowed (Ground to Platform Floor)	38.62 in. (98.1 cm)	37.53 in. (95.3 cm) 35.4 (0.905 m) - Korean Spec Only
Rail Height (Platform Floor to Top of Rail)	39.94 in. (101.5 cm) - Fixed 43.88 in. (111.5 cm) - Folding	39.94 in. (101.5 cm) - Fixed 43.88 in. (111.5 cm) - Folding 39.4 in (1 m) Fixed - Korean Spec Only
Overall Height - Fixed Rail (Ground to Top Rail)	78.78 in. (200.1 cm)	77.7 in. (197 cm) 75 in (1.905 m) - Korean Spec Only
Overall Height - Folding Rails (Ground to Mid Rail)	64.61 in. (164.11 cm) - Folding Rails Down	63.53 in. (161.4 cm) - Folding Rails Down
Overall Machine Width	32 in. (81.3 cm)	
Overall Machine Length	68.67 in. (174.4 cm)	
Platform Size - Length (Inside)	62.62 in. (159.1 cm)	
Platform Size - Width (Inside)	21.71 in. (55.2 cm)	
Wheelbase	53.03 in. (134.7 m)	

Tires

Table 1-4. Tire Specifications

DESCRIPTION	1532R/1932R
Size (Front and Rear)	12.72 in. x 3.9 in. (32.3 cm x 10.0 cm)
Wheel Nut Torque (42mm Slotted Nut with Cotter Pin)	150 ft. lbs. (203 Nm)

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LSS Troubleshooting

The following tables are furnished to provide possible resolutions for common difficulties.

Table 6-7. LSS Troubleshooting

PROBLEM	POSSIBLE RESOLUTION
JLG Analyzer displays "FAIL NOT IN GND MODE" during LSS calibration	The technician has triggered the calibration process but the keyswitch is not in the Ground Mode position. Change the key-switch position and re-attempt LSS calibration.
JLG Analyzer displays "FAIL CAL ANGLE" during LSS calibration	The elevation sensor is not calibrated and this must be completed prior to LSS calibration. Execute the elevation sensor calibration procedure using CALIBRATIONS → SET STOW ELEV and CALIBRATIONS → SET MAX ELEV. Re-attempt LSS calibration afterward.
JLG Analyzer displays "FAIL PLAT NOT STOWED" during LSS calibration	The LSS calibration procedure must start with the platform completely stowed. Lift down using ground controls and then re-attempt LSS calibration.
JLG Analyzer displays "FAIL MOTION STOPPED" during LSS calibration	The technician released lift down during the LSS calibration procedure and the calibration data points could not be collected by the control system. Re-attempt LSS calibration.
JLG Analyzer displays "CAL FAIL" during LSS calibration	The technician halted the LSS calibration procedure by pressing ESC. Alternately, calibration data points collected from the vehicle did not fit within guidelines. This can be caused by debris in the platform, excessive slide block friction, or structural damage. This can also occur when accessories are fitted to the platform and the PERSONALITY → LOAD → ACC'Y setting is adjusted improperly. Remove debris and address any damaged components. Refer to the documentation for Sky Accessories.
LSS Visual and Audible Overload Warnings fail to sound when the platform is loaded beyond rated load. Controls remain functional at Ground and Platform Control positions.	• LSS is not enabled in the control system. Connect the JLG Analyzer and enter the Access Level 1 password (33271). Navigate to MACHINE SETUP → LOAD and adjust the configuration to CUTOUT ALL to prevent platform and ground controls during an overload. Adjust the configuration to CUTOUT PLTM to prevent platform controls only during an overload. • LSS requires re-calibration. Re-calibrate the elevation sensor first, and then the LSS using the procedures listed in this document.
LSS Visual and Audible Overload Warnings are active when the platform is empty.	• LSS has not been calibrated or calibration has been lost. Calibration data points are stored within the Ground Module so replacement of this component will cause the need for re-calibration. Adjusting some settings within the MACHINE SETUP menu will also delete the calibration. • LSS requires re-calibration. Re-calibrate the elevation sensor first, and then the LSS using the procedures listed in this document. • A fault related to LSS has occurred and the vehicle has assumed the platform is overloaded to be conservative. Refer to the resolution of specific faults in the table below.
Controls remain functional at the Ground Control position during an overload. Controls at the Platform Control position are prevented.	The MACHINE SETUP → LOAD setting is configured to prevent Platform Controls only. Connect the JLG Analyzer and enter the Access Level 1 password (33271). Proceed to the MACHINE SETUP → LOAD menu and adjust the configuration to CUTOUT ALL to prevent platform and ground controls during an overload.
PLATFORM OVERLOADED (255) fault is triggered	This fault is triggered whenever the LSS is enabled and overloaded.
LSS HAS NOT BEEN CALIBRATED (825)	This fault is triggered when LSS has not been calibrated or a configuration change in MACHINE SETUP has deleted the calibration. Follow the procedure in this document for LSS calibration to resolve.
LSS – OUT OF CALIBRATIO N (8217)	LSS did not meet performance expectations during the verification procedure. If the procedure was not executed properly, cycle power and re-attempt. Otherwise, the LSS should be re-calibrated. Follow the procedure in this document for LSS calibration to resolve.
LIFT CYLINDER HEAD PRESSURE 1 – OUT OF RANGE HIGH (8523)	For the 1532R and 1932R, this fault is triggered when the primary lift cylinder head pressure reading is excessively high. This occurs when ground module V4-7 exceeds 22.0mA for 500mS. This occurs when ground module V4-7 exceeds 4.75V for 500mS. Check the wire harness that connects to the lift cylinder for short circuits (crushed). Replace the lift cylinder head pressure transducer if the wire harness is intact. Refer to LSS Theory of Operation.

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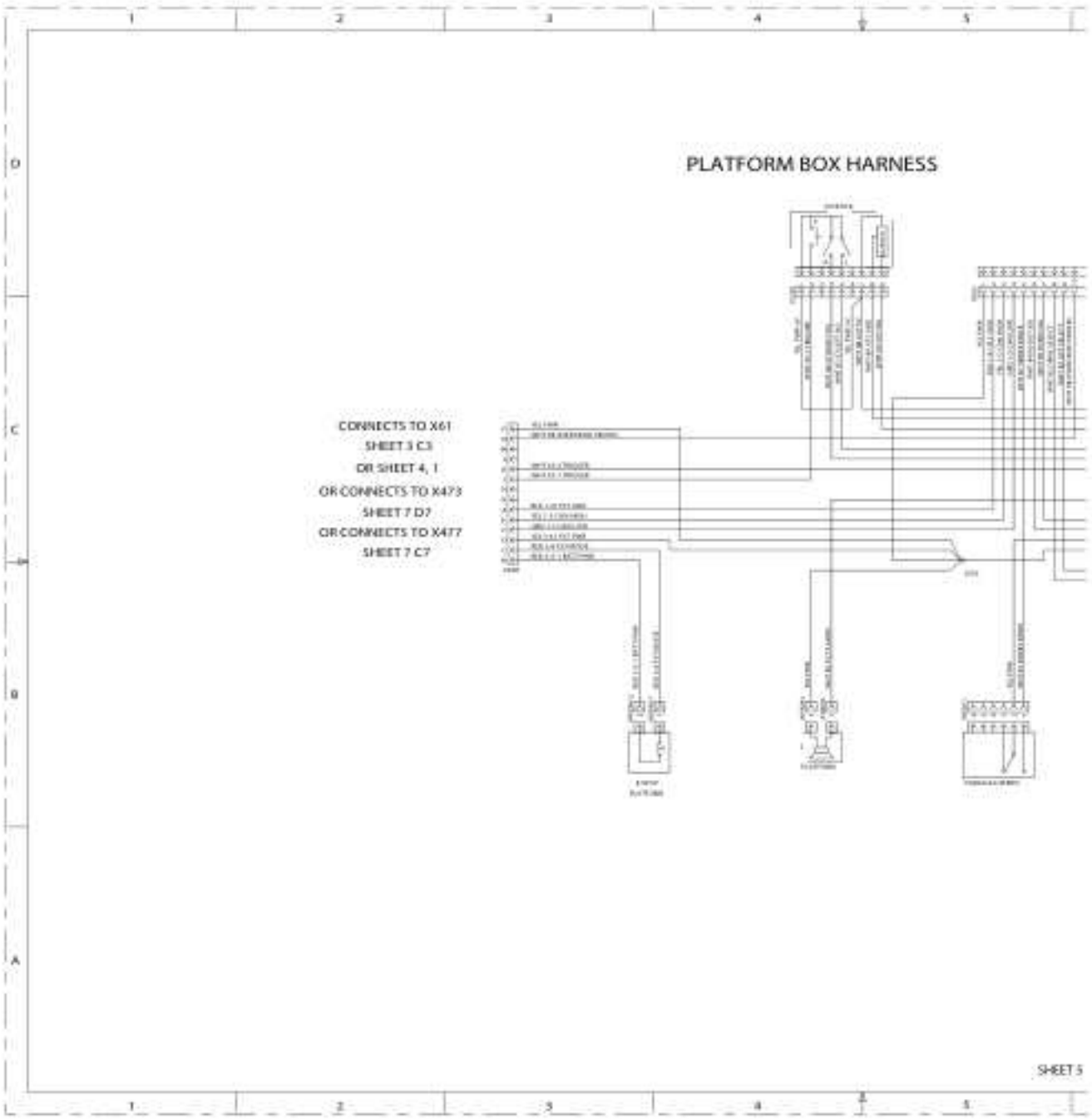


Figure 8-25. Electrical Schematic - Sheet 8 of 15

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Voltage Measurement

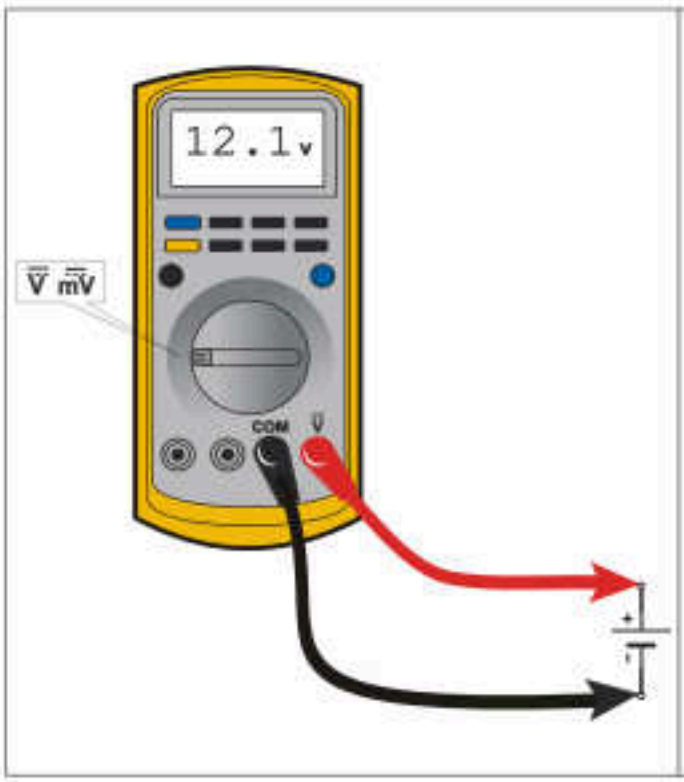


Figure 8-1. Voltage Measurement (DC)

- If meter is not auto ranging, set it to the correct range (See multimeter's operation manual)
- Use firm contact with meter leads

Resistance Measurement

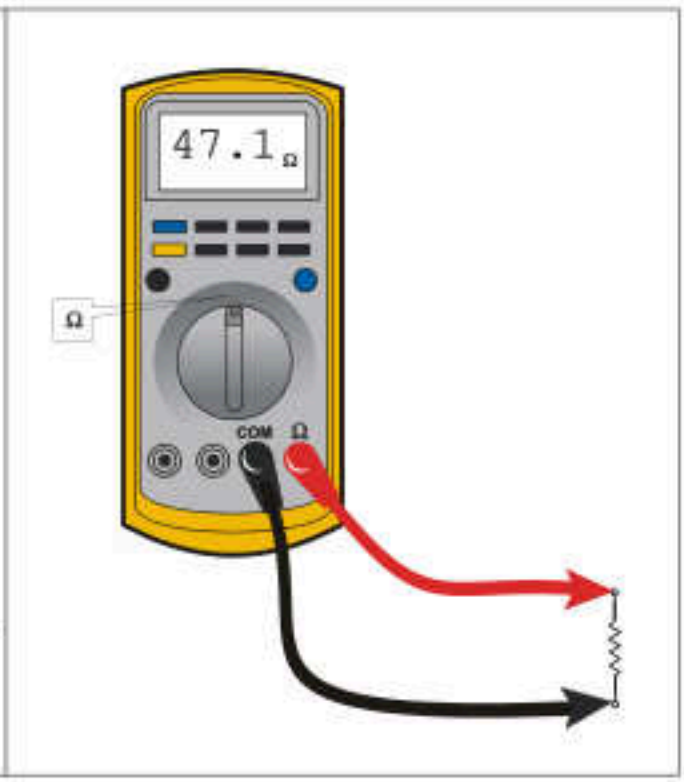


Figure 8-2. Resistance Measurement

- First test meter and leads by touching leads together. Resistance should read a short circuit (very low resistance)
- Circuit power must be turned OFF before testing resistance
- Disconnect component from circuit before testing
- If meter is not auto ranging, set it to the correct range (See multimeter's operation manual)
- Use firm contact with meter leads

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