An Oshkosh Corporation Company

Service & Maintenance Manual

Liftlux

Models
210-25
245-25

Prior to S/N 20465
excluding S/N's: 16563, 18190,
19542, 19543, 19933, 20020,
20242 & 20317

3121304

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SECTION 1. SPECIFICATIONS

1.1 OPERATING SPECIFICATIONS

Table 1-1. Operating Specifications

Description	210-25	245-25
Maximum Working Height	23 m (75 ft)	26.5 m (87 ft)
Maximum Platform Height	21 m (68.9 ft)	24.5 m (80 ft)
Maximum Drive Height	21 m (68.9 ft)	21 m (68.9 ft)
Turning Radius: Inside Outside	1.5 m (4.92 ft) 6.2 m (20.34 ft)	
Wheelbase	3.9 m (12.8 ft)	
Max Work Load (Capacity): Main Platform Platform Extension	1000 kg (2205 lb) 800 kg (1764 lb)	750 kg (1650 lb) 750 kg (1650 lb)
Maximum Occupants	5	2
Tools and Equipment	600/400 kg (1323/882 lbs)	590 kg (1300 lb)
Allowable Manual Force	400 N (90 Lbf)	
Tilt Sensor Setting	3°	
Maximum Operating Wind Speed	12.5 m/s (28mph)	
Gross Machine Weight (Approximate)	15,000 kg (33,068.8 lbs)	16,300 kg (35,935 lb)
Drive Speed (Slow)	0.2 m/s (0.4mph)	
Drive Speed (Fast)	2.3 kmh (1.4 mph)	
Gradeability (Machine Stowed)	30%	25%
Sideslope (Machine Stowed)	5°	
High Speed Cutout	3.5 m (11.5 ft)	3.7 m (12.1 ft)
Lift Speed (Platform Empty)	0.27 m/s (0.89 ft/s)	
Lowering Speed	0.3 m/s (1 ft/s)	
Maximum Operating Hydraulic Pressure	210 bar (3,046 psi)	
Power Supply	Diesel Engine	
Max Ground Bearing Pressure: Outriggers Tires	 7 kg/cm^2 (99.57 psi) 5 kg/cm^2 (71 psi)	 9 kg/cm^2 (128.02 psi) 6 kg/cm^2 (85 psi)
Maximum Outrigger Pad Load	5915 kg (13,040 lb)	7720 kg (17,020 lb)
Maximum Tire Load Rating	5950 kg (13,118 lb)	6620 kg (14,595 lb)
Electrical System Voltage	24V	

Table 1-1. Operating Specifications

Description	210-25	245-25
Ground Clearance	0.27 m (0.9 ft)	0.27 m (0.9 ft)
Jack Pad Ground Clearance	0.24 m (.78 ft)	

1.2 DIMENSIONAL DATA

Table 1-2. Dimensional Data

Description	210-25	245-25
Machine Height (Rails Up)	4.3 m (14.1 ft)	4.34 m (14.2 ft)
Machine Height (Rails Down)	3.2 m (10.5 ft)	3.24 m (10.6 ft)
Machine Width	2.5 m (8.2 ft)	
Machine Length	5.74 m (18.8 ft)	5.78 m (19 ft)
Platform dimensions (Extension Retracted)	5.35 x 2.5 m (17.6 x 8.2 ft)	
Platform dimensions (Extension Extended)	7.55 x 2.49 m (24.8 x 8.2 ft)	7.8 m x 2.44 (25.6 ft x 8)
Transport Dimensions (L x W x H))	5.74 x 2.5 x 3.2 m (18.8 x 8.2 x 10.5 ft)	5.78 x 2.5 x 3.24 m (19 x 8.2 x 10.6 ft)

1.3 CAPACITIES

Table 1-3. Capacities

Fuel Tank	90 L (23.8 gal)
Hydraulic Tank	260 L (68.7 gal)
Engine Crankcase: with Filter without Filter	 10.5 L (11 qt) 10 L (10.6 qt)

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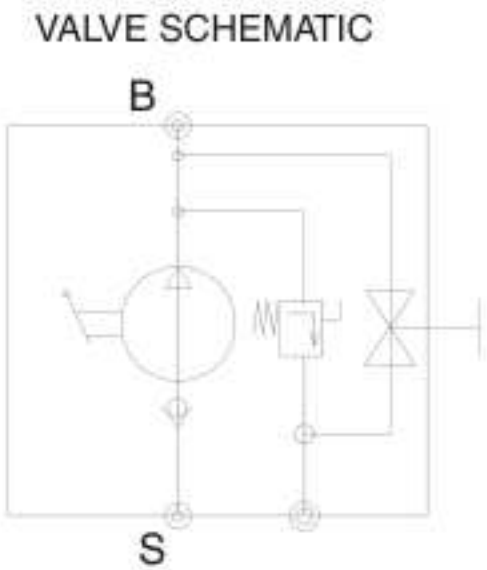


Figure 4-44. Hand Pump Schematic

Steer Valve

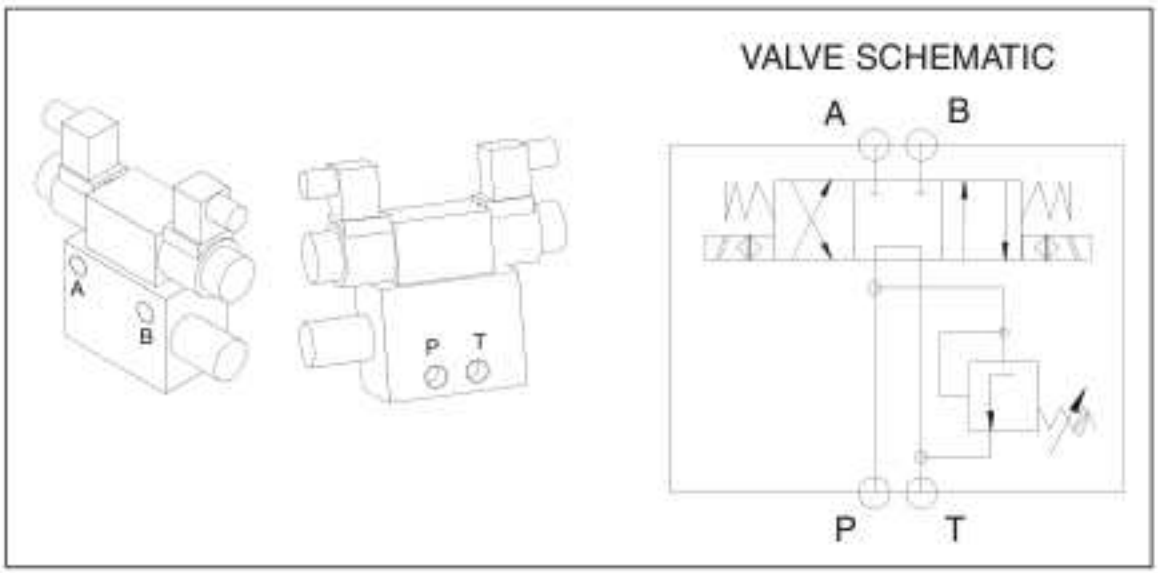


Figure 4-45. Steer Valve

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Service - Voltage Reading

⚠ CAUTION

DO NOT PIERCE WIRE INSULATION TO TAKE VOLTAGE READINGS.

It has been common practice in electrical troubleshooting to probe wires by piercing the insulation with a sharp point. This practice should be discouraged when dealing with the AMPSEAL plug assembly, or any other sealed connector system. The resulting pinholes in the insulation will allow moisture to invade the system by traveling along the wire strands. This nullifies the effectiveness of the connector seals and could result in system failure.

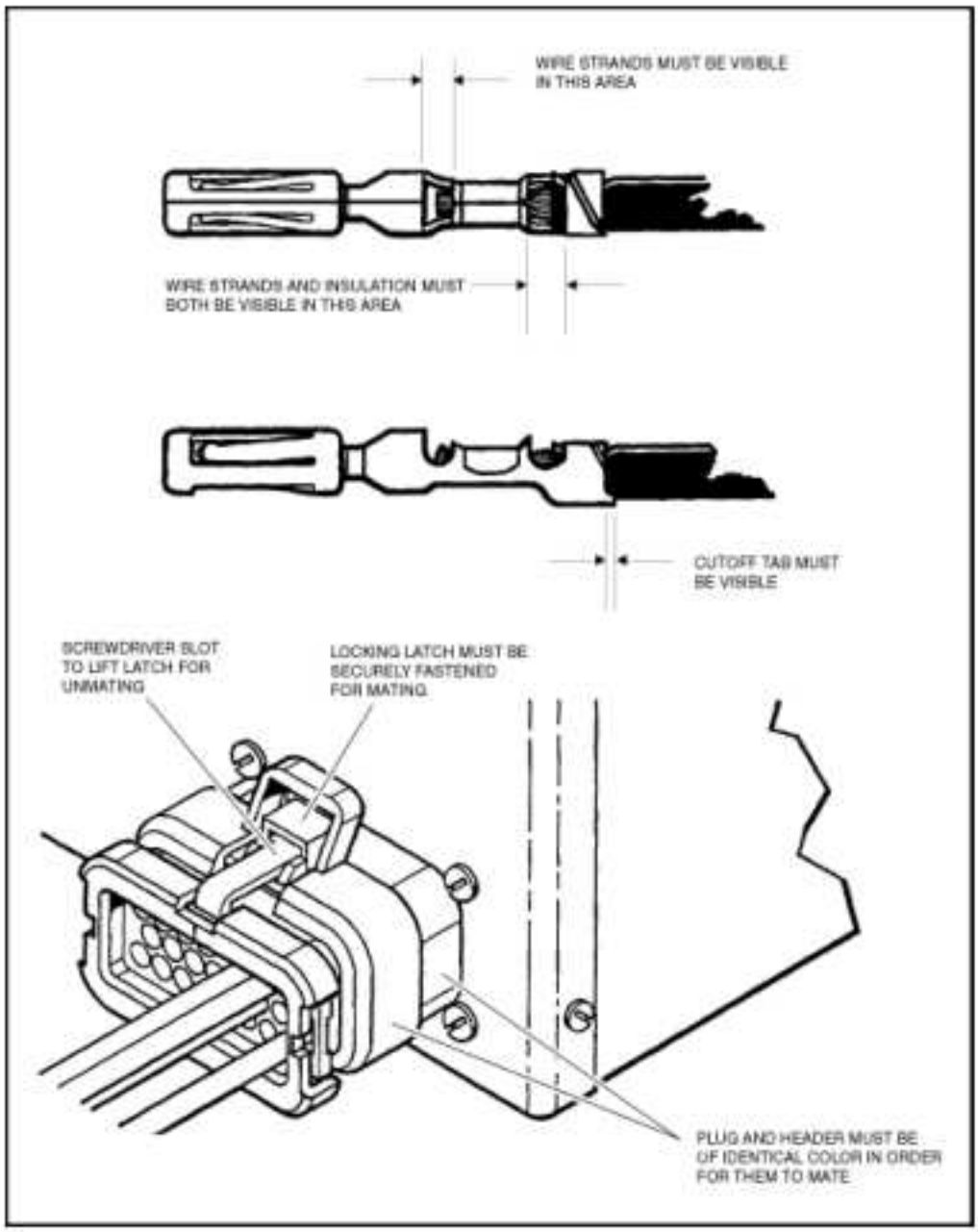


Figure 6-11. Connector Installation

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