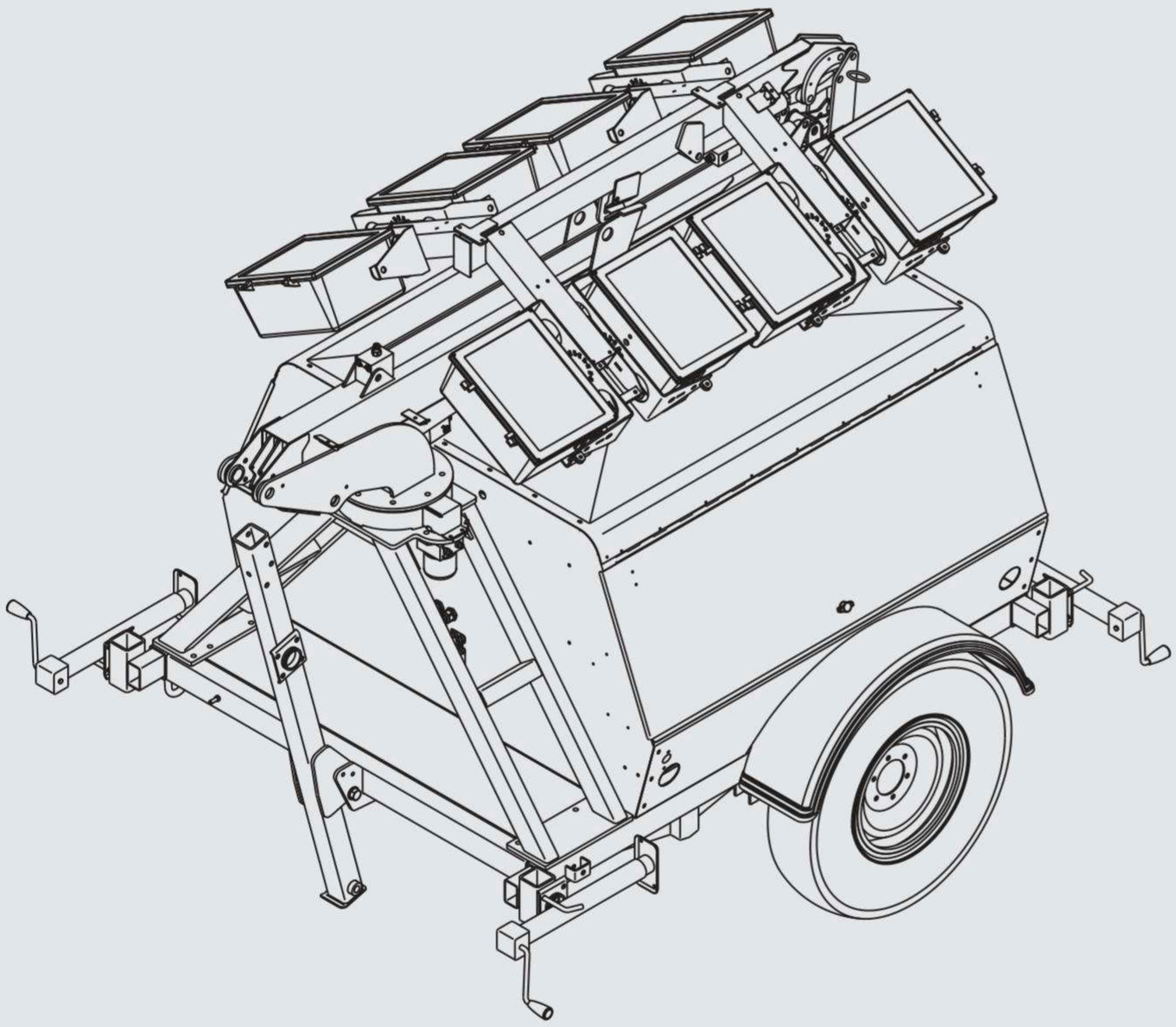
TEREX

Service Manual

AL8000HT™



First Edition

Rev A

Part No. 116478

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Specifications

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Machine Specifications

Lights	
Type:	BT-37 Metal Halide, 1000 watt
Total lighting wattage	
4 lights	4000 watts
8 lights	8000 watts
Axle	
Axle load capacity, maximum	4200 lbs 1905 kg
Fluid capacities	
Hydraulic tank capacity	1.4 gallons 5.3 liters
Hydraulic system capacity (including tank)	2 gallons 7.6 liters
Single fuel tank	30 gallons 114 liters
Dual fuel tanks	60 gallons 227 liters
Tires and wheels (U.S. models)	
Tire size	ST205/75R15 Load range C
Lug nut torque, dry	80 ft-lbs 108 Nm
Tire pressure, maximum (cold)	50 psi 3.4 bar
Tires and wheels (Australia models)	
Tire size	7.5R16 C 112/110L
Lug nut torque, dry	80 ft-lbs 108 Nm
Tire pressure, maximum (cold)	75 psi 5.2 bar

Performance Specifications

Tongue weight, maximum	350 lbs 159 kg
Run time, full load Kubota D1105 (8kW) @ .82 Gallons per hour	
Single full fuel tank	36.5 hours
Dual full fuel tanks	73 hours
Run time, full load Kubota V1505 (12kW) @ 1.1 Gallons per hour	
Single full fuel tank	27.25 hours
Dual full fuel tanks	54.5 hours
Run time, full load Isuzu 4LE1 (20kW) @ 1.8 Gallons per hour	
Single full fuel tank	16.5 hours
Dual full fuel tanks	33 hours
Towing speed, maximum	62 mph 100 km/h
Function speeds	
Boom up	12 to 24 seconds
Boom down	12 to 21 seconds
Boom extend	17 to 37 seconds
Boom retract	13 to 27 seconds
Light bar up	18 to 30 seconds
Light bar down	14 to 24 seconds
Tower rotate, 359°	31 to 68 seconds

For operational specifications, refer to the Operator's Manual.

Continuous improvement of our products is a Terex policy. Product specifications are subject to change without notice.

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TROUBLESHOOTING REV A

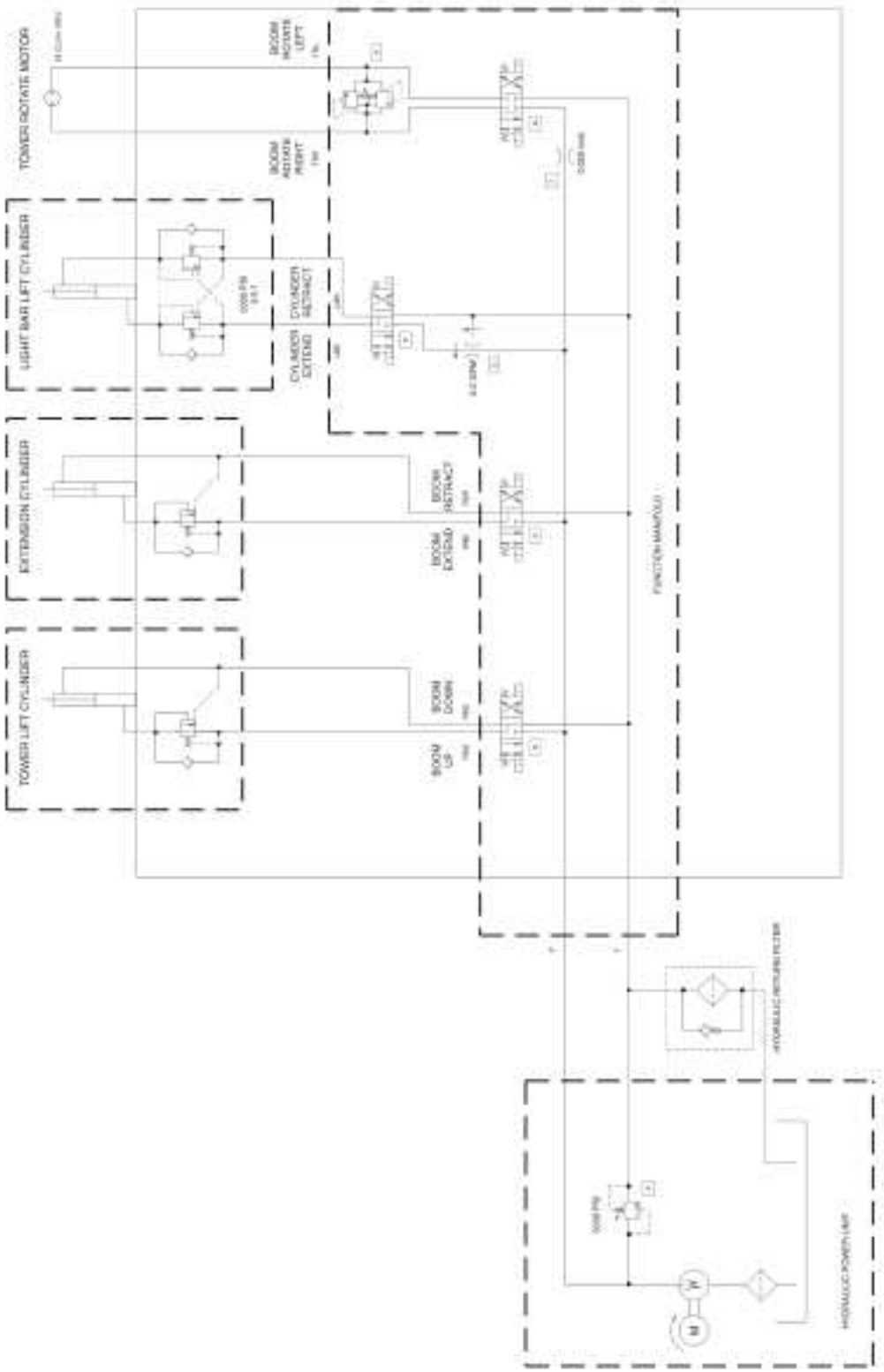
TROUBLE	POSSIBLE CAUSE	REMEDY
11.Lamp will not start	e.Improper ballast	e.The ballast name plate data should agree with the line voltage and lamp used. If not, replace the ballast.
	f.Lamp has been operating; cool down time insufficient	f.Switch off breaker and allow lamp to cool.
12.Lamp starts slowly (arc does not strike when switch is first turned on	a.Defective lamp	a.Lamp may glow for an extended period of time. Replace after checking voltage and ballast
13.Circuit breaker trips on lamp startup	a.Short circuit or ground	a.Check wiring against diagram. inspect for shorts or ground. Fix as needed.
14.Lamp light output low	a.Normal lamp depreciation	a.Replace lamp
	b.Dirty lamp or fixture	b.Clean lamp and fixture
	c.Defective ballast	c.Interchange ballast plugs. If lamp starts, replace ballast. Check for swollen capacitors, charred wiring, core and coil, or other signs of excessive heat.
	d.Wrong voltage	d.Check line voltage at ballast input. Voltage should be within 10% of rating when operating at normal load. Check wiring connections for voltage loss. Check socket contact point.
	e.Improper ballast	e.Check ballast name plate against lamp data
15.Lamp colors different	a.Normal lamp depreciation	a.Replace lamp
	b.Dirty lamp or fixture	b.Clean lamp and fixture
	c.Wrong lamp	c.Check data on lamps and replace as needed.
16.Arc tube discolored or swollen	a.Over voltage from power supply	a.Check voltage at ballast, for current or voltage surges, for shorted capacitors and replace as needed
	b.Improper ballast	b.Check ballast name plate against lamp data
17.Short lamp life	a.Lamp damaged	a.Check for outer bulb cracks, cracks where lamp meets base, and for broken arc tube or loose metal parts. Replace as needed.
	b.Improper ballast	b.Check ballast name plate against lamp data
18.Lamp flickers or goes out-intermittent or cycling	a.Improper Ballast	a.Check ballast name plate against lamp data
	b.New lamp	b.Under certain conditions new lamps may "cycle". Usually after 3 tries to start at 30 to 60 second intervals, lamp will stabilize and operate normal

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Hydraulic Schematic

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