Genie®
A TEREX COMPANY

Service Manual

RL4 Vertical Mast

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Specifications

Machine Specifications

Total lighting wattage	4 x 1000 watts
Fuel capacities	
Single tank	45 gallons 170 liters
Tires and wheels	
Tire size	ST175/80D13
Load range	C
Lug nut torque, dry	90 ft-lbs 122 Nm
Lug nut torque, lubricated	67.5 ft-lbs 91.5 Nm

Performance Specifications

Tongue weight, maximum	
With fuel (45 gallon tank)	203 lbs 92 kg
Run time	
45 gallon tank	90 hours

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

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

Generator Options

Coliseum 6 kW 1CBC06-TX	
Generator rpm @ full load	60Hz, 1800 rpm
Temperature, ambient maximum	104° F 40° C
Power	6 kW
Coliseum 7 kW 1CBC07-TX	
Generator rpm @ full load	50 Hz, 1500 rpm
Temperature, ambient maximum	104° F 40° C
Power	7 kW
Coliseum 8 kW 1CBC08-TX	
Generator rpm @ full load	60 Hz, 1800 rpm
Temperature, ambient maximum	104° F 40° C
Power	8 kW

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

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Diagnostics



Observe and Obey:

- ☑ Troubleshooting and repair procedures shall be completed by a person trained and qualified on the repair of this machine
- ☑ Immediately tag and remove from service a damaged or malfunctioning machine.
- ☑ Repair any machine damage or malfunction before operating the machine.
- ☑ Unless otherwise specified, perform each procedure with the machine in the following configuration:
  - Machine parked on a firm, level surface
  - Mast in the stowed position
  - Key switch in the off position with the key removed
  - The red Emergency Stop button in the off position on the electrical control box
  - Wheels chocked
  - Light switches in the off position
  - All external AC power supply disconnected from the machine

Before Troubleshooting:

- ☑ Read, understand and obey the safety rules and operating instructions in the appropriate operator's manual on your machine.
- ☑ Be sure that all necessary tools and test equipment are available and ready for use.
- ☑ Read each appropriate fault code thoroughly. Attempting short cuts may produce hazardous conditions.
- ☑ Be aware of the following hazards and follow generally accepted safe workshop practices.

⚠WARNING Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

⚠DANGER High voltage. Exposure to electrical wires or electrical current will result in death or serious injury. Turn off all power when not needed for testing. Use extreme caution when working with high voltage electrical components.

⚠CAUTION Burn hazard. Beware of hot engine components. Contact with hot engine components may cause severe burns. Use caution when working around lamps or a hot engine.

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Schematics



Observe and Obey:

- ☑ Troubleshooting and repair procedures shall be completed by a person trained and qualified on the repair of this machine
- ☑ Immediately tag and remove from service a damaged or malfunctioning machine.
- ☑ Repair any machine damage or malfunction before operating the machine.

Before Troubleshooting:

- ☑ Read, understand and obey the safety rules and operating instructions in the appropriate operator's manual on your machine.
- ☑ Be sure that all necessary tools and test equipment are available and ready for use.

About This Section

There are two groups of schematics in this section.

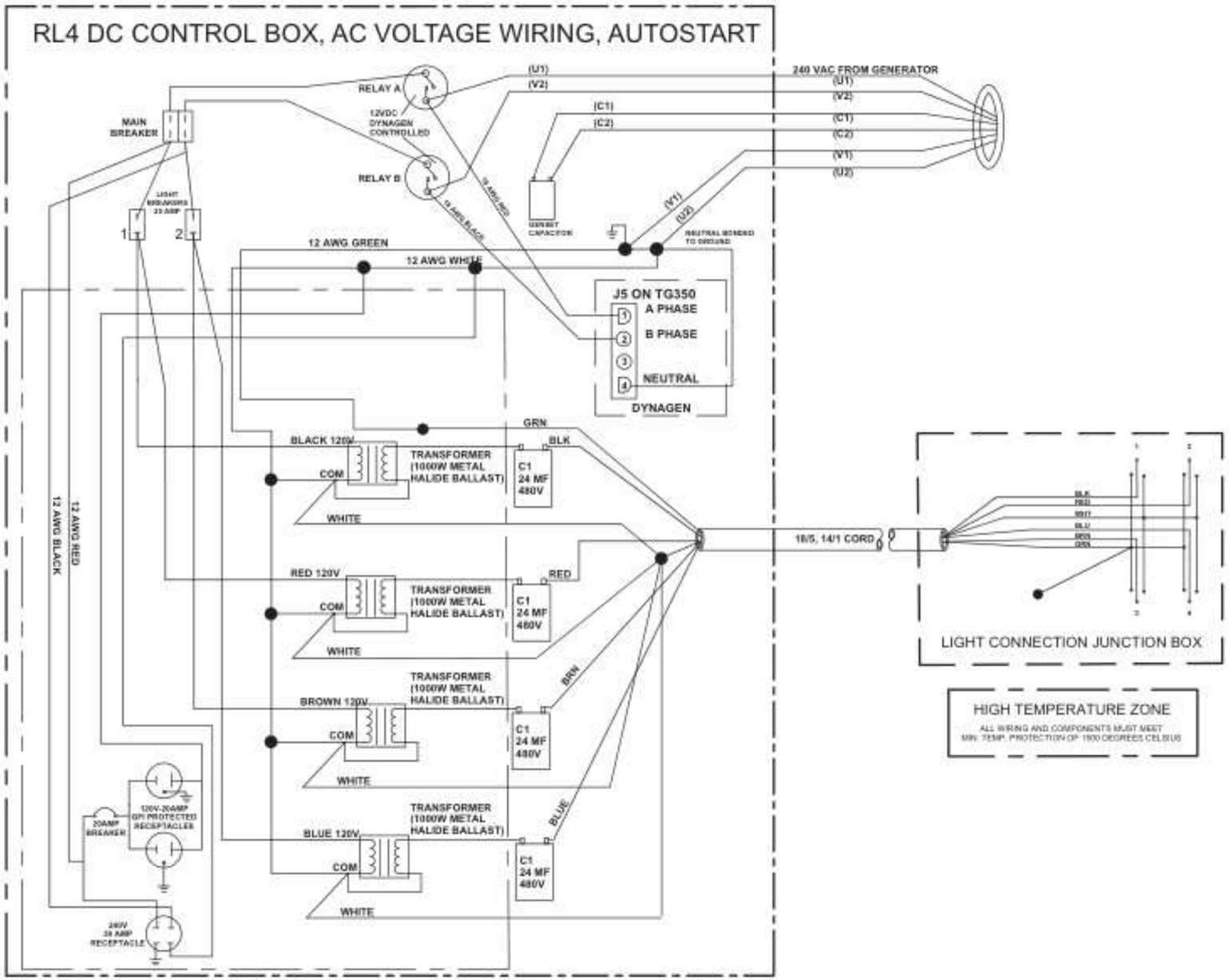
Electrical Schematics

⚠WARNING Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

Hydraulic Schematics

⚠WARNING Bodily injury hazard. Spraying hydraulic oil can penetrate and burn skin. Loosen hydraulic connections very slowly to allow the oil pressure to dissipate gradually. Do not allow oil to squirt or spray.

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