

Operator's Manual

Light Tower

LTN 6L

60 Hz



EN

5000187483	07	1111
------------	----	------



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

are called residual risks. On this machine, they may include exposure to:

- Heat, noise, exhaust, and carbon monoxide from the engine
- Heat from the lights
- Ultraviolet radiation from the lights
- Fire hazards from improper refueling techniques
- Fuel and its fumes
- Electric shock and arc flash
- Personal injury from improper lifting the trailer tongue
- Glare from lights (lights may blind drivers of nearby motor vehicles if the lights are incorrectly positioned)
- Typical hazards related to towing a trailer on roads and highways

To protect yourself and others, make sure you thoroughly read and understand the safety information presented in this manual before operating the machine.

1.3 Safety Guidelines for Operating the Machine

Operator qualifications

Only trained personnel are permitted to start, operate, and shut down the machine. They also must meet the following qualifications:

- have received instruction on how to properly use the machine
- are familiar with required safety devices

The machine must not be accessed or operated by:

- children
- people impaired by alcohol or drugs

Personal Protective Equipment (PPE)

Wear the following Personal Protective Equipment (PPE) while operating this machine:

- Close-fitting work clothes that do not hinder movement
- Safety glasses with side shields
- Hearing protection
- Safety-toed footwear

1.3.1 Do not remove, defeat, deface, or render inoperable any of the safety devices, warnings, or labels on this equipment. If any safety devices, warnings, or labels have been removed, defeated, defaced, or rendered inoperable, do NOT use this equipment!

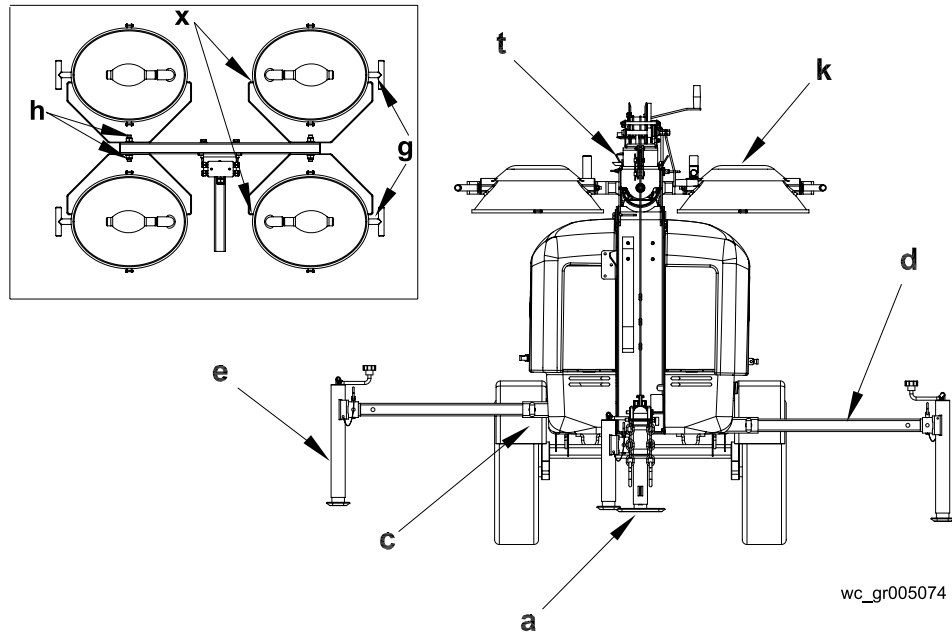
1.3.2 The area immediately surrounding the Light Tower should be clean, neat, and free of debris.

<p>M</p>		<p>A nameplate listing the model number, item number, revision number, and serial number is attached to each unit. Please record the information found on this nameplate so it will be available should the nameplate become lost or damaged. When ordering parts or requesting service information, you will always be asked to specify the model number, item number, revision number, and serial number of the unit.</p>
<p>N</p>		<p>WARNING! Ultraviolet radiation from lamp can cause serious skin and eye irritation. Use only with undamaged lamps. Use only with provided undamaged lens cover and fixture.</p>

3 Lifting and Transporting

Lifting the machine

Follow the procedure below to lift the machine.



- 3.0.1 Check that the tower cradle lock pin (**j**) is in place and secured with the safety pin.
- 3.0.2 Ensure that the tower is completely nested inside the transport cradle and the pin (**t**) is secure.
- 3.0.3 Make sure the doors are properly latched.
- 3.0.4 Return the outriggers to their travel position. Check that the outrigger bars and jacks are locked in place.
- 3.0.5 Crank the rear jack (**f**) all the way in and rotate it 90°.
- 3.0.6 The Light Tower is now ready to lift.

Towing the machine

- 3.0.7 Use the tongue jack (**a**) to raise the trailer tongue up and then lower it over hitch on towing vehicle. Lock the hitch to coupling and attach the safety chains. Swivel the tongue jack 90° and lock it in place.
- 3.0.8 Connect the trailer wiring to the towing vehicle. Check the brake, turn, and tail lights for proper operation.
- 3.0.9 Position the light fixtures (**k**) down. For rough, off-road transportation remove lamps from fixtures to avoid damage.
- 3.0.10 Check the tire inflation.

NOTICE: Maximum recommended speed for highway towing is 72 km/hour (45 MPH). Recommended off-road towing speed is not to exceed 16 km/hour (10 MPH) or less depending on terrain.

4.12 Operating Lights

See *Graphic: wc_gr005140, wc_gr006328, wc_gr005141, wc_gr005142*

Turn on the main circuit breaker **(a)** first, then turn on each light circuit breaker **(b)**, one at a time.

Metal halide floodlights require a warm-up time of 5–15 minutes before they reach full output. If the floodlights are shut down, a 10-minute cool-down period is required before turning them back on.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

4.19 Emergency Shutdown Procedure

Procedure

If a breakdown or accident occurs while the machine is operating, follow the procedure below:

- 4.19.1 Press the emergency stop button (if equipped).
- 4.19.2 Stop the engine.
- 4.19.3 Disconnect tools.
- 4.19.4 Lower the tower.
- 4.19.5 Allow the machine to cool before opening the cabinet.
- 4.19.6 Contact the rental yard or machine owner for further instructions.

4.20 Derating

All generator sets are subject to derating for altitude and temperature. Although derating should not affect operation of the floodlights, it will reduce the available reserve power to the receptacle.

Ratings are typically reduced 3% per 300 m (1000 feet) elevation from sea level, and 2% per 10°F (5.5°C) increase in ambient temperature above 78°F (25°C).

Storing the Machine

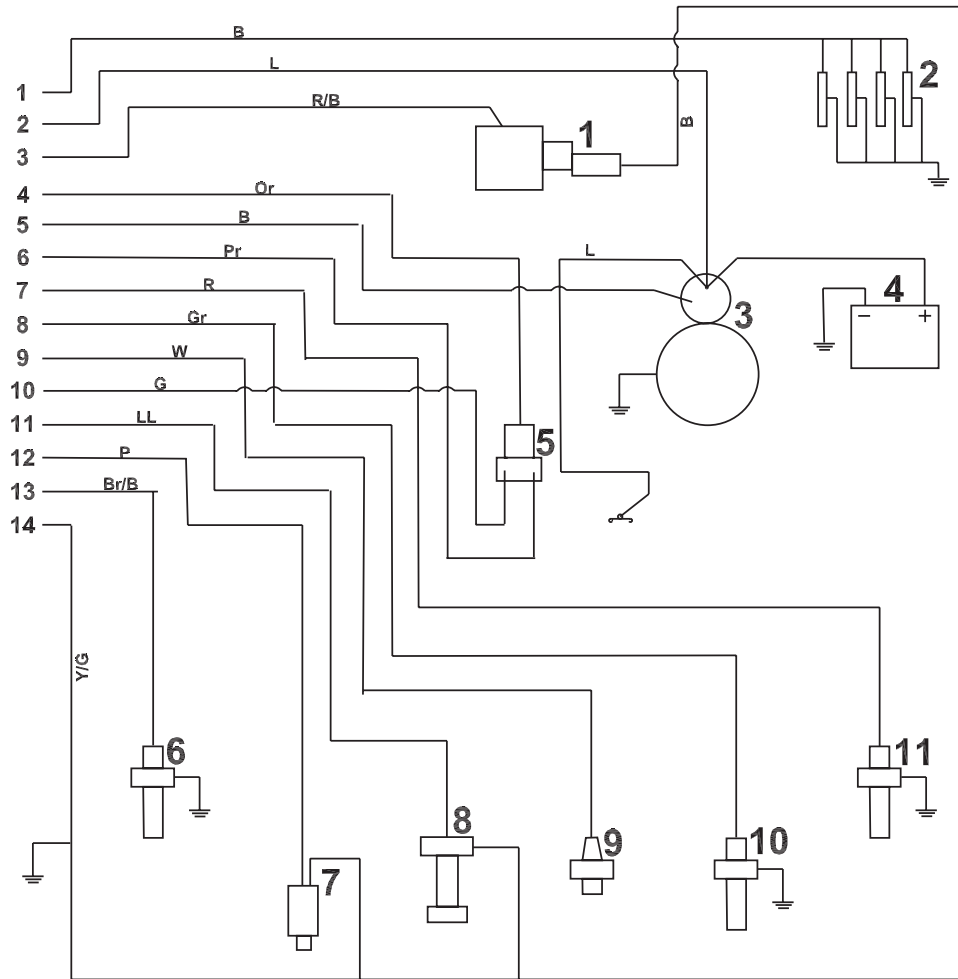
Perform these remaining steps to store your machine.

- Wash the machine and allow it to dry.
- Move the machine to a clean, dry, secure storage location. Block or chock wheels to prevent machine movement.
- Use touch-up paint as needed to protect exposed metal against rust.
- If the machine has a battery, either remove or disconnect it.

NOTICE: Allowing the battery to freeze or completely discharge is likely to cause permanent damage. Periodically charge the battery while the machine is not in use. In cold climates, store and charge the battery indoors or in a warm location.

- Cover the machine. Tires and other exposed rubber items should be protected from the weather. Either cover them or use a readily available protectant.

8.3 Engine Wiring



wc_gr000657

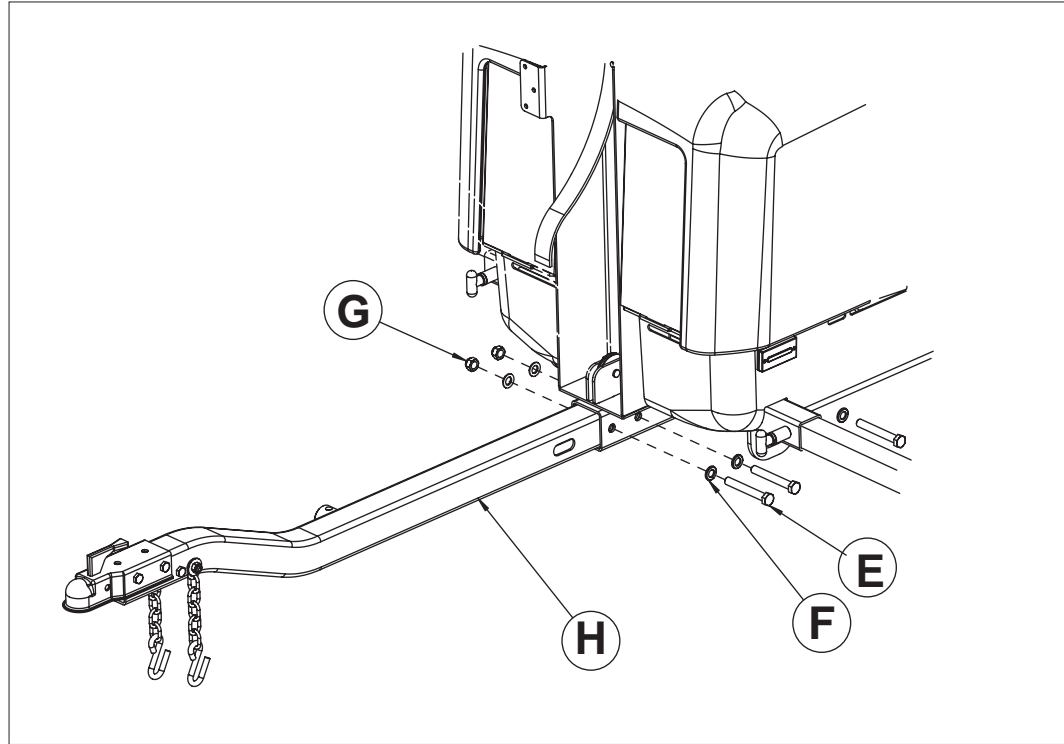
Ref.	Description	Ref.	Description
1	Fuel solenoid	7	Air filter restriction indicator (normal open type)
2	Glow plugs	8	Low fuel level switch (not used, normal open type)
3	Starter motor	9	Low oil pressure switch (normal closed type)
4	Battery	10	Coolant high temperature switch (normal open type)
5	Alternator connector	11	Coolant temperature thermistor (for preheat relay)
6	Coolant temperature sending unit (not used, for remote temperature gauge or LED)		

11.3 Installing the Tongue Assembly

Scope Installing the tongue assembly consists of installing the tongue and the tongue jack, and connecting the trailer wiring.

Installing the tongue Follow the procedure below to Install the tongue.

1. Insert the tongue (**H**) into the sleeve at the front of the trailer.



wc_gr006523

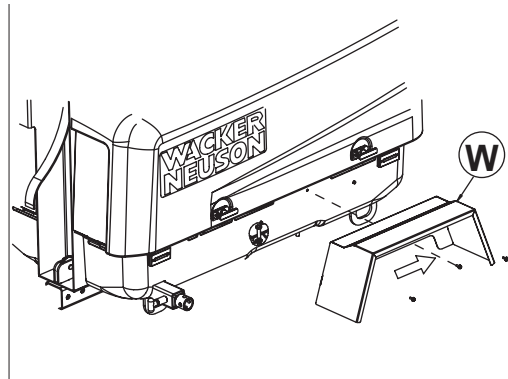
2. Fasten the tongue to the sleeve using the following hardware from Bag 7:
 - (3) M16 x 120 screws (**E**)
 - (6) B17 flat washers (**F**)
 - (3) M16 lock nuts (**G**)

Torque the fasteners to 200 Nm (145 ft.lbs.)

13.2 Installing the Fenders

Procedure Follow the procedure below to Install the fenders.

1. Locate the two fenders (**W**) and hardware bag 2.



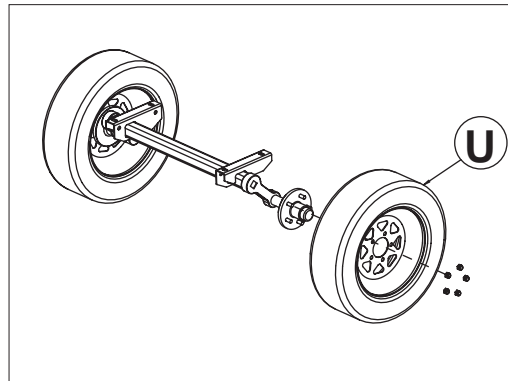
wc_gr006528

2. Align each fender as shown in the illustration.
3. Install each fender on the Light Tower using (3) M6 x 16 serrated flange screws—but do not tighten the screws until the next step.
4. Slide each fender backward until the mounting screws are located at the front end of the slots. Torque the screws to 16 Nm (11.5 ft.lbs.).

13.3 Installing the Wheels

Installing the wheels Follow the procedure below to Install the wheels:

1. Locate the two wheels (**U**) and hardware bag 3.



wc_gr006529

2. Install the wheels on the axle using five lug nuts per wheel. Torque the lug nuts to 115 Nm (85 ft.lbs.).

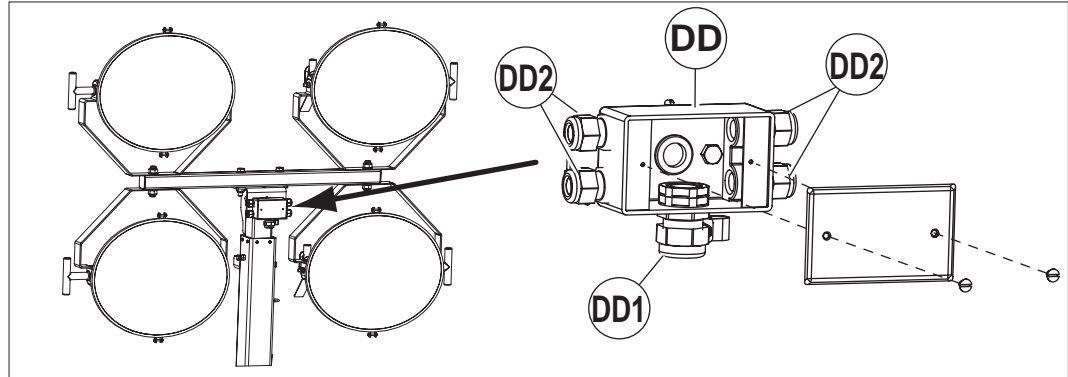
13.12 Connecting the Wiring at the Junction Box

Special tools and materials needed

- Coil cord (GG)
- Panduit® crimper CT-100
- Panduit® crimper CT-1550
- Hardware bag 6

Procedure

Follow the procedure below to connect the wiring at the junction box.



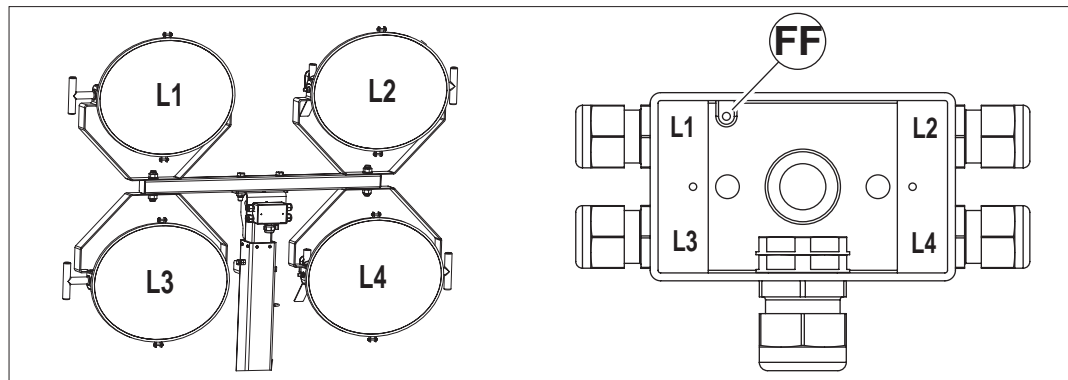
wc_gr006534

Installing the coil cord

1. Remove the screws and the cover plate from the junction box (**DD**).
2. Use two wrenches to loosen the connector (**DD1**) at the bottom of the junction box.
3. Insert the end of the coil cord through the connector so that approximately 1 cm (3/8 in.) of coil cord jacket extends into the junction box. Retighten connector **DD1**.

Installing the fixture cords

4. Use two wrenches to loosen the four connectors (**DD2**) on the sides of the junction box.
5. Refer to the diagram below and insert the fixture cords through the appropriate connectors. Approximately 1 cm (3/8 in.) of each fixture cord jacket should extend into the junction box. Retighten connectors **DD2**.



wc_gr006535

This procedure continues on the next page.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL