

**TEREX®**

# ***Operator's Manual***

***AL™5HT***

***AL™5HT with tier 4 option***

ANSI/CSA  
North America  
South America  
Asia

with  
Maintenance  
Information

Second Edition  
Third Printing  
Part No. 235735GT

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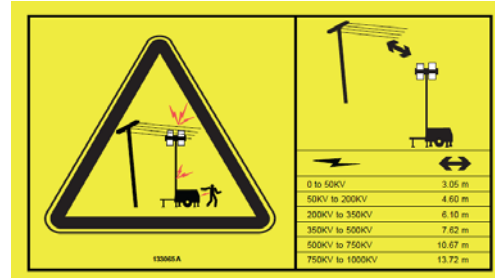
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# General Safety

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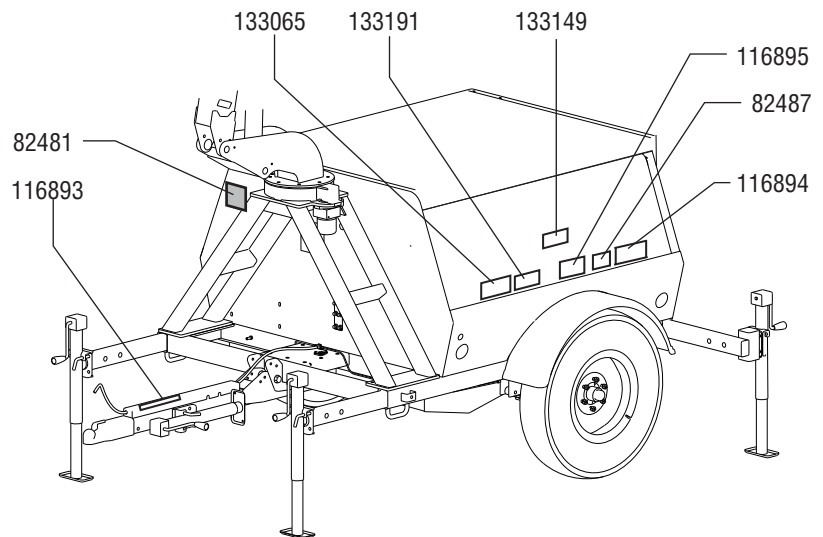
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# Controls

## Control Panel, Auto Start

- 1 Hydraulic tower rotate switch  
Move the switch to the right and the tower will rotate to the right. Move the switch to the left and the tower will rotate to the left.
- 2 Hydraulic tower raise/lower switch  
Rotate the switch to the left and the tower will raise. Rotate the switch to the right and the tower will lower.
- 3 Hydraulic mast extend/retract switch  
Move the switch to the right and the mast will extend. Move the switch to the left and the mast will retract.
- 4 Light switches  
Move each switch to turn on the indicated light(s). Machines equipped with 4 lights: Each switch turns on one light. Machines equipped with 8 lights: Each switch turns on two lights at a time.
- 5 Main circuit breaker  
Move the main circuit breaker switch up on the control panel before turning the individual light switches on or before attempting to use the convenience receptacles.
- 6 Hour meter  
The hour meter displays the number of hours the machine has operated.
- 7 Auto start control module/status indicator  
Lights indicate failure or faults with the auto start system. Refer to the appropriate service manual.
- 8 Engine start switch with timed start/off/manual start  
Move the switch to the timed start position before setting the timer or engaging the photocell switch.  
Move the switch to the engine start position and the engine will start after a 30-second delay.  
Move the switch to the off position and the engine will be off.
- 9 Timer  
The timer is used to automatically start the engine and turn on the lights at a preset time.
- 10 Photocell on/off switch  
When the photocell is turned on, the lights will go on at dusk and go off at daylight. The engine will start prior to the lights going on.  
Move the switch up to turn the photocell on. Move the switch down to turn the photocell off.
- 11 Light bar raise/lower switch  
Move the switch to the right and the light bar will raise. Move the switch to the left and the light bar will lower.

## Inspections



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### Do Not Operate Unless:

- You learn and practice the principles of safe machine operation contained in this operator's manual.
  - 1 Avoid hazardous situations.
  - 2 Always perform a pre-operation inspection.
  - 3 Always perform function tests prior to use.**

#### **Know and understand the function tests before going on to the next section.**

- 4 Inspect the workplace.
- 5 Only use the machine as it was intended.

### Function Test Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

## Operating Instructions

- 6 Models with eight lights: Each switch turns on two of the lights at one time.

Note: Lights can take up to 20 minutes to reach full intensity. If the lights are turned off and turned back on again while still warm, they will not light up again for 20 to 30 minutes.

- 7 Turn the lights off by turning the circuit breaker switches to the off position.
- 8 Make sure the lights are turned off before engine is shut down.

### Grounding Lug

A grounding rod is located inside the door on the road side of the machine.

Drive the rod into the ground and connect it to the grounding lug located on the chassis near the base of the tower.



### Electrical Outlets (if equipped)

Electrical outlets are located on the control panel.

### After Each Use

Select a safe parking location—firm level surface, clear of obstruction and traffic. Retract and lower mast and stow outriggers before moving machine.

Remove the key or lock cabinet door.

### Towing

- 1 **CAUTION: SHUT ENGINE OFF BEFORE MOVING THE LIGHT TOWER! Failure to do so can cause severe engine/radiator damage and WILL NOT BE COVERED UNDER WARRANTY!**
- 2 Fully retract and lower the mast to the stowed position.
- 3 Lower the light bar to the stowed position.
- 4 Make sure the travel lock pin is securely locked in place.
- 5 Make sure the covers are closed and secured.
- 6 Pull the spring pins on each outrigger and slide them into the stowed and secured position..
- 7 Raise the tongue of the machine by turning the tongue jack handle.
- 8 Position the transport vehicle under the coupler on the tongue of the machine.
- 9 Open the latch on the coupler.
- 10 Turn the tongue jack handle to lower the tongue..
- 11 Close the latch on the coupler.
- 12 Rotate the tongue jack to the stowed position and secure with the lock pin.
- 13 Attach safety chains.
- 14 Connect and test the trailer lights.

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