

OPTIMUM 8 - OPTIMUM 1931 E

Operator's manual

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4001259400

E 01. 23

USA / GB



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A- Foreword

To enter or exit from the platform :

- The machine must be completely stowed (Access configuration).
- Face the machine to access the opening to the platform.
- Keep 3 points of contact (both hands and a foot) on the steps and the guardrail.
- Keep fingers away from moving parts near entry gate.



When in the platform :

- Where personal fall protection equipment (FPE) is required by the employer, a competent authority or local regulations, we recommend using a full harness with a safety line.
- Personal fall protection equipment must only be fastened to approved fall protection anchoring points on the platform provided for this purpose.
- Refer to this decal located on the platform.
- Safety lines must never be attached to an object or structure outside of the work platform.
- Hold on securely to the guardrails.
- Always keep your feet firmly on the floor of the platform.
- Do not sit, stand, or climb on the platform guard rails.
- Do not lean on the gate or sliding bar.
- Do not lean over the guard rails or climb over them. Only work in the platform area within the guard rails.
- Do not exit the platform until it is in the completely stowed position.
- Do not use the guardrail as a means of access to climb in or out of the platform.



A- Foreword



UKCA Declarations of Conformity only apply to machines that are certified for England, Wales and Scotland.

Declaration of conformity - Electric platforms

Haulotte

UKCA DECLARATION OF CONFORMITY

<p>Manufacturer and the person authorised to compile the technical file:</p> <p>HAULOTTE GROUP</p> <p>France</p>	<p>Nathalie Reynolds General Manager UK and Ireland Haulotte UK Ltd</p> <p>Unit 1 Gravelly Way, Four Ashes Wolverhampton, West Midlands WV10 7GW ENGLAND</p>
<p>Mobile Elevating Work Platform</p>	
<p>In compliance with the Model Type</p> <p>Commercial name</p> <p>Serial number</p> <p>Approved body</p> <p>Certificate number</p> <p>Rated Capacity</p>	<p><i>Model Type of the concerned machine</i></p> <p><i>Commercial name of the concerned machine</i></p> <p><i>Serial number of the machine</i></p> <p><i>Rated capacity of the concerned machine</i></p>
<p>We hereby declare that this machine conforms with all the relevant provisions of the Regulations listed below</p>	
<p>Supply of Machinery (safety)</p> <p>This machine also fulfils the principles of the designed standards</p> <p>Electromagnetic compatibility</p> <p>Radio equipment (if machinery equipped)</p>	<p>2008</p> <p>BS EN280 : 2013 + A1 : 2015</p> <p>2016</p> <p>2017</p>
<p>This declaration relates exclusively to the machinery in the state in which it was placed on the market</p> <p>Any modification to the above described machine violates the validity of this declaration</p>	
<p>Name and signature division director</p>	<p>Date and place</p>

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B- Familiarization

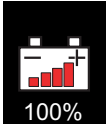


Marking	Description	Marking	Description
C1	Chassis	C77	Platform access ladder
C2	Front drive wheels	C78	Compartment locking latch
C6	Platform	C81	Sliding guardrail
C7	Platform control box	C82	Extension deck lock pin
C20	Tie-down (and/or forklift loading)	C85	Scissors
C27	Ground control box + Universal plug	C90	Battery tray
C30	Hydraulic oil tank	C107	Pull T-handle for emergency lowering
C35	Document holder	C141	Rear wheel
C42	Foot Switch (For Japan only)	C142	Lanyard attachment points
C58	Pothole protection	C168	Maintenance support
C64	Tilt sensor	C169	Folding guardrails / Swing gate (Optional - Not shown)
C75	Extension deck	C171	Scissors lifting cylinder
C76	Guardrail		

U n i v e r s a l p l u g



B- Familiarization

Controls and indicators

Marking	Item	Description	Function
27	HL800	Tilt indicator	Machine on excessive slope
30	HL802	Overload indicator	Platform overloaded
43	SA907	Horn button	Move upwards and hold to activate horn
46	SB802	E-stop button	Pulled out : Platform control box power supply energized
			Pushed in : De-energizes control system
85	HL903	Fault indicator	Fault indicator Faulty or tilting or overloaded machine
91	HL904	Battery charging indicator	 Battery charged
			 Flashing : Batteries have 40 % charge left
			 Constantly on : Batteries have only 20 % charge left
108	SM901	Movement joystick	Move forward : Forward drive or platform raising Move backwards : Reverse drive or platform lowering
		Front axle steering selector	Press right side of button : Right-hand steering Press left side of button : Left-hand steering
110	HL420	Raising / lowering selector	On : Raising / Lowering selection activated Off : Raising / Lowering movement is not selected
111	HL100	Driving selection indicator	On : Driving function activated Off : Driving movement is not selected
112	SA908	2-position selector	Move to the left : Platform raising / lowering
			Move to the right : Drive movements
123	SA905	Enable Switch	Press in and hold : Associated command is validated
			Press in and hold : Enable switch
			Release : Associated command movement is halted
245	SB800	Foot Switch (For Japan only)	Press in and hold : Enable switch

B- Familiarization

ANSI and CSA standards

Marking	Description	Quantity	OPTIMUM 1931 E
1	Height of the floor and load	2	4000706390
2	Maximum Pressure per Tire - Floor Loading	4	4000761670
3	Commercial name - Bright machine	2	4001183350
3	Commercial name - Dark machine	2	4001183360
4	Decal HAULOTTE® - 495 x 80 - Bright machine	2	4001072210
4	Decal HAULOTTE® - 495 x 80 - Dark machine	2	4001072220
5	Decal HAULOTTE® - 165 x 80 - Bright machine	1	4001072250
5	Decal HAULOTTE® - 165 x 80 - Dark machine	1	4001072260
6	Identification plate	1	4000700150
11	Lanyard attachment points	3	4001052020
12	Material risk - Yellow and black adhesive tape	2	4001052030
16	Max and min oil level	1	307P221060
17	Risk of crushing	2	In english : 4000130190 In french : 4000130200 In spanish : 4000130210
18	Hand crushing hazard - Risk of crushed hands	4	In english : 4000024770 In french : 4000067710 In spanish : 4000086490
19	Operation instructions	1	4000025140
20	Operation instructions	2	In english : 4000243670 In french : 4000243680 In spanish : 4000243690
23	Risk of crushing - Driving direction	1	3078145100
28	Do not interchange	1	4000504670
31	Brake release	1	4000361570
32	Anchorage point - Traction	4	4000027310
33	Anchorage point - Lifting eyes	4	4000027330
34	Risk of electrocution - Water projection	2	4000025130
53	Emergency lowering	1	4000227200
56	Charger - 110 V	1	4000419150
57	Position of the lift truck forks	4	3078143830
59	Scissors safety	1	In english : 4000024850 In french : 4000068070 In spanish : 4000086500
61	Risk of crushing	2	In english : 4000024780 In french : 4000067700 In spanish : 4000086480
65	Fire Hazard	1	In english : 4000025030 In french : 4000068120 In spanish : 4000086550
68	Transport height	1	4000417380
69	Battery isolation switch	1	4000420660

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D - Operation instructions

1 - Operation

1.1 - INTRODUCTION

Only trained and authorized personnel shall be permitted to operate this aerial work platform.

Prior to operation :

- Read, understand and obey all instructions and safety precautions in this manual and attached to the aerial work platform.
- Read, understand and obey all local regulations.
- Become familiar with the proper use of all controls and emergency systems.

A

B

C

D

E

F

G

H

I

D - Operation instructions

5.3 - UNLOADING

Before unloading, check that the machine is in good condition.

- Remove the tie downs.
- At ground control box turn control box activation switch (92) to the left to energize platform box.
- At the platform controls, with 2 position selector (112) turned to the right, carefully and progressively move drive joystick (108) with Enable switch (123) pressed and maintained.



Warning : Upon starting a machine that has been secured and transported, the safety system may detect a false overload preventing all movement from the platform control box.


To reinstate the system, lift the platform a few centimetres (inches) from the ground control box.

5.4 - TOWING




In the event of a machine breakdown, the machine can be towed a short distance to load it onto a transport vehicle :

- Ensure that no one is in the platform during towing.
- Before towing, ensure that the platform is fully lowered.
- The platform must be empty.
- **ALWAYS** keep personnel and obstructions clear of the aerial work platform when brakes are released.

To tow a broken-down machine, release brake (Refer to  Section D 5.4.1 - Brake release). Perform this operation on flat ground with wheels chocked.


In the towing configuration, the machine braking system is inactive. Use a drawbar to avoid any risk of accident :

- Do not exceed the maximum freewheel speed (Refer to  Section B 4.1 - Technical specifications).
- Do not use on a slope with a gradient greater than 25%.

D - Operation instructions

7.1.2 - Battery charging







- Do not use an external charger or jump the batteries.
- Ensure the mains supply is compatible :
- Do not use a cable reel with the cable wound up.
- Plug the charger into a properly installed and grounded outlet that is suitable for the voltage/current of the charger  Section D 7.1.1 -On-board charger.

Duration of charge cycle :

- 6 hours approximately.

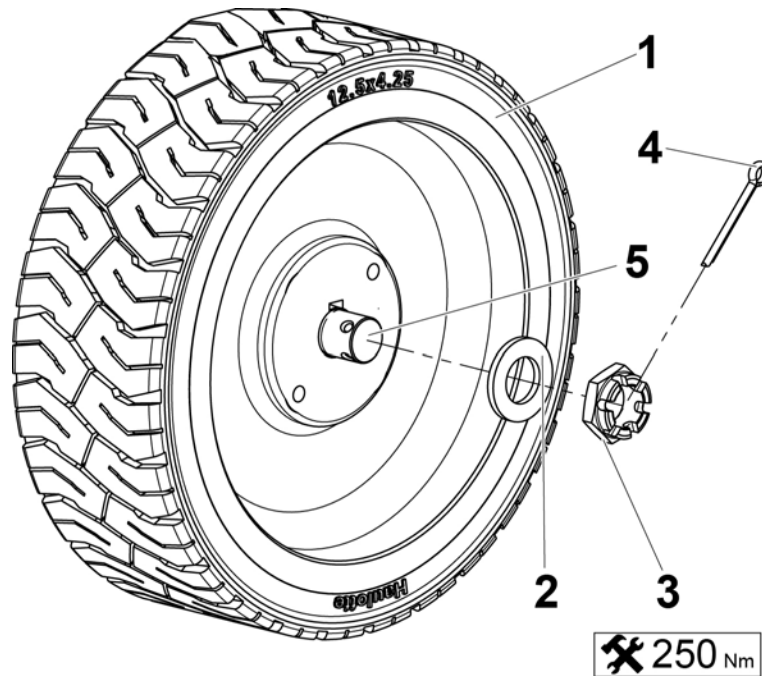
N.B.-:-CHARGING TIME CAN BE UP TO 8 HOURS LONGER IN COLD WEATHER

The charge cycle stops automatically when charging is complete.

Internal parameter update		
Charging is going to start		
The first segment flashes		Charge from 0 % to 20 %
The second segment flashes		Charge from 20 % to 40 %

E- General Specifications

Reassembly of the wheel

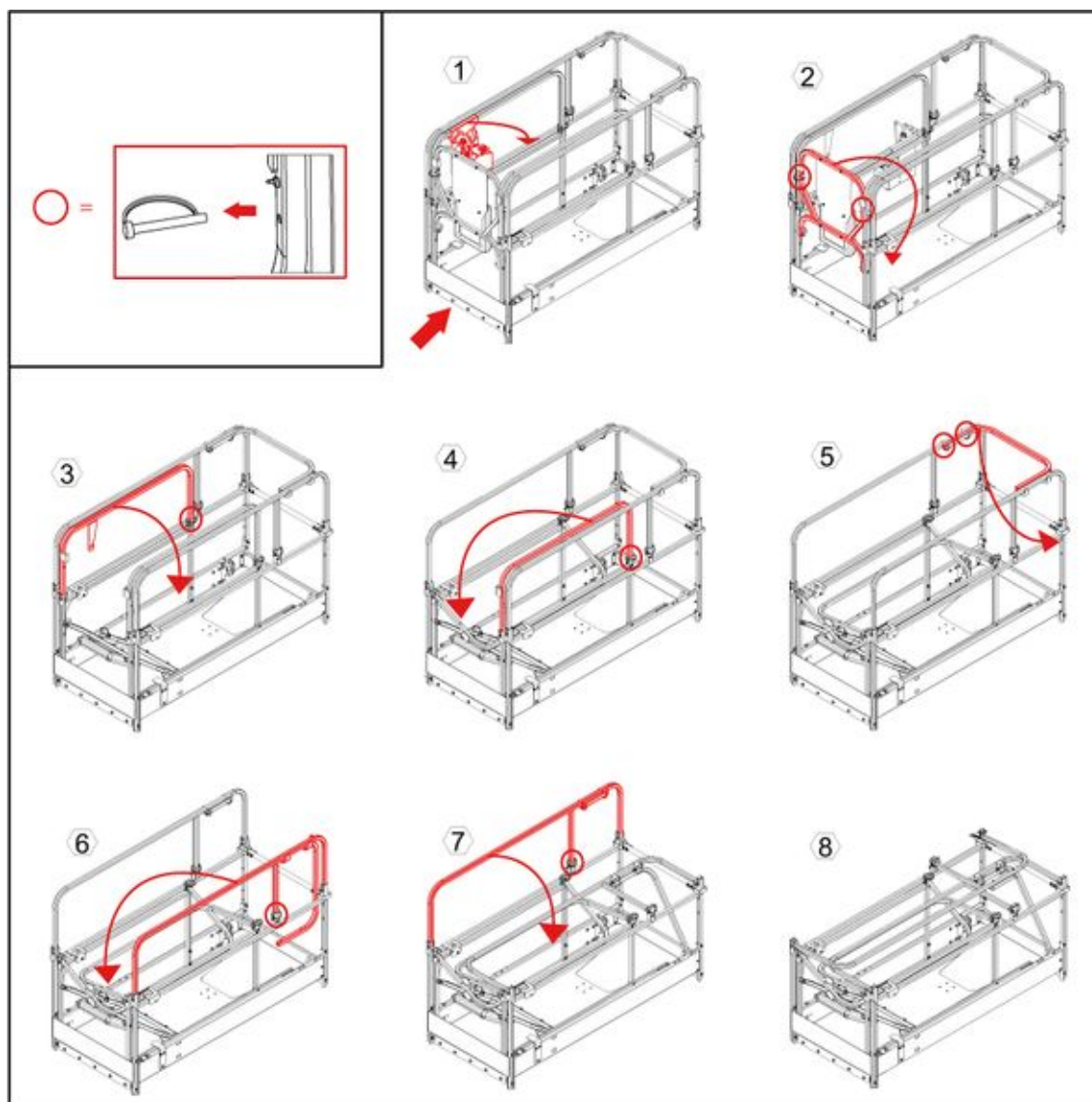


Marking	Description
1	Wheel
2	Washer
3	Nut
4	Pin
5	Motor shaft

- Use a new flat washer (2700500110).

E - General Specifications

5.2.4 - Specific decals



Marking	Description	Quantity	Part number
8	Explanation work and transport positions	1	4000557230

5.2.5 - Raising guardrails to working position

To raise the folded guardrails to the vertical working position :

- Follow the fold down operational sequence in the reverse order.
- Ensure all pins are installed and secured.

F - Maintenance

3 - Inspection program

3.1 - GENERAL PROGRAM

The machine must be inspected on a regular basis at intervals of no less than once 1 per year. The purpose of the inspection is to detect any defect which could lead to an accident during routine use of the machine. Local standards and regulations may require more frequent inspections.

HAULOTTE® requires Reinforced and Major Inspections to be carried out on the product to extend its service life.

Inspections must be carried out by a competent company or person.

The inspection results must be recorded in the safety register or machine log book controlled and overseen by the company manager. This register or machine log book and the list of competent repair persons must be made available to the government work inspector and HAULOTTE Services®.

When	Responsible	Stakeholder	What
Before sale	Owner (or renter)	Competent technician or qualified technician HAULOTTE Services®	Periodic inspection
Before rent	Owner (or renter)	Competent technician or qualified technician HAULOTTE Services®	Daily inspection
Before use or every change of user	User	User	Daily inspection
Annually (1 year)	Owner (or renter)	Competent technician or qualified technician HAULOTTE Services®	Periodic inspection
5 years	Owner (or renter)	Qualified technician HAULOTTE Services®	Reinforced inspection
10 years	Owner (or renter)	Qualified technician HAULOTTE Services®	Major inspection

3.2 - DAILY INSPECTION

The Daily inspection includes a visual inspection, operational checks and testing of the safety systems. This must be conducted by the operator before using the machine.

This inspection is the responsibility of the user. Refer to  Section C 3.1 - Daily inspection.

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