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Operator's manual

3522A - HTA13P -4527A - HTA16P -5533A - HTA19P

4000670470

E 12.22

USA / GB





FOREWORD

1 - User responsibility	8
1.1 - Owner's responsibility.1.2 - Employer's responsibility.1.3 - Trainer's responsibility.	8
1.4- Operator's responsibility2 - Safety	
2.1 - Safety instructions. 2.1.1 - Incorrect use. 2.1.2 - Falling Hazards 2.1.3 - Overturning / Tip-over Hazards 2.1.4 - Risk of electric shock (electrocution) 2.1.5 - Explosion / Fire Hazards 2.1.6 - Crushing / Collision Hazards 2.1.7 - Risk of involuntary movements	10 10 10 12 12 15 15
3 - Safety inquiries	17
4 - Incident notification	17
5 - Compliance	18
 5.1 - Product modification 5.1.1 - Implementing manufacturer safety campaigns 5.2 - Product specifications 	18
5.3 - Change of Ownership Notification.	



FAMILIARIZATION

CONTENTS

REEFS

1 - General safety	
1.3 - Symbols and colors	
2 - Models description.	
3 - Primary machine con	nponents26
3.2 -Ground control box3.2.1 -Layout3.3 -Platform control box	
4 - Performance Specific	ations33
4.2 - Working area / Range of I	
5 - Decals and markings	locations42

С

PRE-OPERATION INSPECTION

1 - Reco	mmendations	79
2 - Work	ing area assessment	79
3 - Inspe	ction and Functional test	80
	Daily inspection Inspection Form	
4 - Safet	y functional checks	86
	E-Stop button check	
4.3.1 -	Fault detector	87
	Automatic engine cut-out.	



OPERATION INSTRUCTIONS

ARREE

1 - Opera	ation	89
1.1 - 1.2 - 1.3 -	Introduction Operation from the ground control box Operation from the platform control box	. 91
2 - Groui	nd control box	93
2.1 -	Boom and arm controls	. 93
3 - Platfo	orm control box	95
3.1 - 3.2 - 3.3 -		. 95
4 - Outrig	ggers extension	97
5 - Rescu	ue and emergency procedures1	00
5.1.1 - 5.1.1.1 5.1.1.2 5.1.1.3	1 - Manual retraction 1 2 - Manual rotation 1	00 01 01 02 103
6 - Trans	portation1	04
6.1.1 - 6.1.2 - 6.1.3 -	Transporting on to a truck bed	04 05 106 07 109
7 - Cold	Weather Recommendations 1	11
7.1 - 7.2 -	Engine oil	



GENERAL SPECIFICATIONS

1 - Machi	ne dimensions	. 114
2 - Major	component masses	. 116
3 - Acous	stics and vibrations	. 117
4 - Wheel	/Tire assembly	. 117
	Technical specifications	
5 - Optior	ns	. 122
5.2 - 5.2.1 - 5.2.2 - 5.2.3 - 5.2.3.1 5.2.3.2	Drive and set controls. Drive and set use Initial Operation	122 122 124 126 126 127

MAINTENANCE

CONTENTS

ARTEE

1 - Gene	eral		129
2 - Main	tenance Schedu	le	130
3 - Inspe	ection program		130
3.1 -	General program		
3.2 -	Daily inspection		
	Periodic inspection		
3.4 -	Reinforced inspection		
3.5 -	Major inspection		
4 - Repa	airs and adjustm	ents	133

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You have just purchased a HAULOTTE® product and we would like to thank you for your business.

The aerial work platform is a device for lifting people designed and manufactured with the intent to enable users to access overhead elevated temporary workplaces with the necessary tools and equipment. All other uses or alterations/ modifications to the aerial work platform must be approved by HAULOTTE®.

This machine is designed and manufactured to meet the applicable requirements in the following standards ANSI A92.20, CSA B354.6.

This manual shall be considered a permanent component of the machine and shall be kept with the aerial work platform in the designated Manual Holder, at all times.

Safe operation of this product can only be assured if you follow the operating instructions contained in this manual. To ensure proper and safe use of this equipment, only trained and authorized personnel must operate and maintain the aerial work platform.

We would particularly like to draw your attention to 2 essential points :

- Comply with safety instructions.
- Use the equipment within the specified/published performance limits.

With regard to the designation of our equipment, we stress that this is purely for commercial purposes and not to be confused with the technical specifications. Only the specifications in this manual should be used to study the suitability of the equipment for the intended use.

This operator's manual is specific to the HAULOTTE® products listed on the cover page of this manual.



Original language and version :

Manuals in English and French are the original instructions. Manuals in other languages are translations of the original instructions.

The operator's manual does not replace the basic training required for equipment operators. HAULOTTE® has compiled this manual to assist in safe and efficient operation of the products covered in the manual.

The manual must be available to all operators and must be kept in a legible condition. Additional copies can be ordered from HAULOTTE Services®.

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1 - User responsibility

1.1 - OWNER'S RESPONSIBILITY

The owner (or hirer) has the obligation to :

- To inform operators of the instructions contained in the Operator's Manual.
- Follow local regulations regarding operation of the machine.
- Replace all manuals or labels that are missing or in poor condition. Additional copies can be ordered from HAULOTTE Services®.
- To establish a preventive maintenance program in accordance with the manufacturer's recommendations, taking into account the environment and severity of use of the machine.
- To perform periodic inspections in accordance with HAULOTTE® recommendations and local regulations.

All malfunctions and problems identified during the inspection shall be corrected before the aerial work platform is returned to service.

1.2 - EMPLOYER'S RESPONSIBILITY

The employer (or plant superintendent) is required :

- To train and check the training of users.
- To authorise the trained user(s) to use the machine.
- To inform and familiarize the operator with the local regulations.
- Forbid anyone from operating the machine if :
 - Under the influence of drugs, alcohol, etc.
 - Subject to fits, convulsions, dizziness, etc.

1.3 - TRAINER'S RESPONSIBILITY

- The trainer must be qualified to provide training to operators in accordance with applicable local regulations.
- The training must include all of the instructions in this manual.
- The training must be given in an obstacle-free area until the trainee is considered competent as defined by the training program undertaken.

1.4 - OPERATOR'S RESPONSIBILITY

The operator has the obligation to :

- Read and understand the contents of this manual and familiarize himself/herself with the decals affixed on the machine.
- To inspect the machine before use according to HAULOTTE®'s recommendations..
- Inform the owner (or hirer) if the manual or any decals are missing or are not legible.
- Inform the owner (or hirer) of any machine malfunction.

Operators must ensure that the inspections have been carried out by the owner and that they can use the machine for the purpose intended by the manufacturer.



All users (driver, passenger, maintainer, transporter, etc.) must familiarise themselves with the emergency controls and machine operation in case of an emergency.

The operator has the obligation to stop using the machine in the event of malfunction or safety problems on the machine or in the work area and report the problem immediately to his/her supervisor.

2 - Safety

2.1 - SAFETY INSTRUCTIONS

2.1.1 - Incorrect use

- Do not use the machine outside of the conditions specified in this manual.
- Do not use the machine as a crane, material lift or elevator.
- Do not use the work platform as a hoisting machine (crane) by suspending a load outside of the platform.
- Do not tie the boom or platform to an adjacent fixed or mobile structure.
- Do not use/operate the machine when alone. A survey person or immediate Supervisor must be present on the ground in case of emergency.
- Do not use a faulty or poorly maintained machine. Remove defective/damaged machine from service.
- Do not climb onto the compartment covers of the machine.
- Do not replace items critical to machine stability with items of different weight or specification.
- Do not replace the wheels installed in the factory with wheels with different characteristics
- Do not alter or disable machine components that in any way affect safety and stability.
- Do not disable the safety devices.
- Do not use the machine if a label is missing or illegible.
- Do not damage, modify or hide machine labels or inscriptions.

2.1.2 - Falling Hazards

N.B.-:-THE GUARDRAIL IS THE MAIN PROTECTION SYSTEM AGAINST FALLS FROM THE MOBILE LIFTING PLATFORM (**PEMP**).

Before commencing operation :

- Ensure that guard rails are correctly installed and secured.
- Ensure that gate or sliding bar is in its securely locked position.
- If using a machine that has a swing gate, check that the entry gate closes by itself and gate latches and locks.
- Remove oil or grease from the steps, floor, handrail and the guardrails.
- Clean the floor of the platform (no debris).



To enter or exit from the platform :

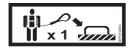
- The machine must be completely stowed (Access configuration).
- Face the machine to access the opening to the platform.
- Keep 3 points of contact (both hands and a foot) on the steps and the guardrail.
- Keep fingers away from moving parts near entry gate.

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.

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2.1.3 - Overturning / Tip-over Hazards

Before positioning and operating the machine :

- Ensure that the surface is capable of supporting the machine weight including the rated capacity. Check the load bearing capacity of the supporting ground.
- Do not operate on surfaces that do not support force exerted by the outriggers during aerial work platform operation.
- Do not exceed the maximum rated capacity that includes the weight of both material and allowed number of occupants. Do not exceed the allowable number of occupants.
- Do not increase the working height (using extensions, ladder, etc.).
- Do not place ladders or scaffolds in the platform or against any part of this machine.
- Place the loads uniformly distributed on the platform floor.
- Do not use the machine at wind speeds that are above the permissible threshold.
- Do not increase the surface area of the platform exposed to wind. This includes adding panels, mesh, banners. Failure to follow this instruction may lead to a loss of stability and as a result, the machine could tip over.
- Do not replace components critical to stability with components of different weight or specification.
- Do not use the machine with material or objects hanging from the guardrail or the boom.



- Do not pull or push towards any object outside of the platform. Do not exceed the maximum allowable side force stated in the performance specifications.
- Do not use boom or platform to push or pull or to lift any part of the trailer.
- Do not use the machine to support any external structure.
- Do not use the machine to drag materials.
- Do not operate aerial work platform without outriggers fully extended or when platform is not level.
- Do not raise the outriggers or move the trailer with materials or personnel on board, or while boom is raised or extended.



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WIND: the aerial work platform can be used up to the maximum wind speed indicated in the specifications in this manual. To identify the local wind speed, use the Beaufort scale below, a wind gauge or an anemometer.

N.B.-:-THE BEAUFORT SCALE OF WIND FORCE IS ACCEPTED INTERNATIONALLY AND IS USED WHEN COMMUNICATING WEATHER CONDITIONS. A WIND SPEED RANGE AT **10** M (32 FT 9 IN) ABOVE FLAT, CLEAR LAND IS ASSOCIATED WITH EACH DEGREE.

Force	Meteorological description	Observed effects	m/s	km/h	mph
0	Calm	Smoke rises vertically.	0 - 0,3	0 - 1	1
1	Very light breeze	Smoke indicates the wind direction.	0,3 - 1,5	1 - 5	1 - 3
2	Light breeze	Wind felt on the face. Leaves rustle. Weather vanes turn.	1,6 - 3,3	6 - 11	4 - 7
3	Slight breeze	Leaves and small twigs in constant motion. Flags move slightly.	3,4 - 5,4	12 - 19	8 - 12
4	Nice breeze	Raised dust and loose papers. Small branches are moved.	5,5 - 7,9	20 - 28	13 - 17
5	Nice breeze	Small trees in leaf to sway. Crested wavelets form on inland waterways.	8,0 - 10,7	29 - 38	18 - 24
6	Cool wind	Large branches in motion. Power lines and chimneys 'sing'. Umbrellas used with difficulty.	10,8 - 13,8	39 - 49	25 - 30
7	Near gale	Whole trees in motion. Inconvenience felt when walking against wind.	13,9 - 17,1	50 - 61	31 - 38
8	Gale	Some branches break. Generally we cannot walk against the wind.	17,2 - 20,7	62 - 74	39 - 46
9	Strong gale	The wind causes slight damage to buildings. Tiles and chimney stacks are blown off.	20,8 - 24,4	75 - 88	47 - 54
10	Storm, Violent Storm, Hurricane	Trees uprooted, widespread damage to structures, widespread devastation.	More than 24,5	More than 89	More than 55

Beaufort scale

2.1.4 - Risk of electric shock (electrocution)



Risk of death or serious injuries.

The machine is not electrically insulated and does not provide protection from contact or proximity to electrically charged conductors.

Always position all parts of the aerial work platform, the occupants, accessories and tools at a reasonable distance from power lines to ensure that no part of the work platform accidentally comes into contact with a power line.

Apply local regulations pertaining to safety distances. If this is not possible, follow the distances in the table below at a minimum :

Minimum safe approach distances

Electric voltage	Minimum safety distance		
	Mètre	Feet	
0 - 300 V	Avo	id contact	
300 V - 50 kV	3	10	
50 - 200 kV	5	15	
200 - 350 kV	6	20	
350 - 500 kV	8	25	
500 - 750 kV	11	35	
750 - 1000 kV	14	45	

- Do not operate the machine when close to live power lines, consider the movement of the machine and the sway of the electric power lines particularly in windy conditions.
- Do not operate the machine during lightning, thunderstorms, snow/ ice or any weather condition that could compromise operator safety.
- · Do not use the machine as a ground for welding.
- Do not weld on the machine without first disconnecting the battery terminals.
- Always disconnect ground cable first.
- The machine must not be used while charging the batteries.
- When using the AC power supply, ensure it is protected with a circuit breaker and residual current device.

Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.



2.1.5 - Explosion / Fire Hazards

Foreword

 Always wear protective clothing and eye wear when working with batteries and power sources/systems.

N.B.-:-ACID IS NEUTRALIZED WITH SODIUM BICARBONATE AND WATER.

 Do not start the engine if you smell or detect liquid propane gas (LPG), gasoline, diesel fuel or other explosive substances.

Do not work on or operate a machine in an explosive or flammable atmosphere / environment.

- Do not touch hot components.
- Do not bridge the battery terminals with metallic objects.
- Do not service the battery in proximity of spark, open flame, lit cigarettes.
- Do not fill up the fuel tank, when the engine is running and/ or near a flame.
- 2.1.6 Crushing / Collision Hazards

Before using the machine, mark out the machine's work and circulation area using a marking system appropriate to the task at hand and the work environment.

When in the platform :

- · Check the work area for overhead clearance, for any obstacles besides and below the platform when raising/ lowering the platform and or before driving.
- During movement, keep all the parts of the body inside the platform. Hold onto the guardrails on the opposite side to any surrounding structures. Take care to avoid trapping hands whilst holding the guardrails.
- To position machine close to a building/structure, it is recommended using the upper boom and or arms movement control functions to position, rather than driving machine closer to structure.

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Warn personnel not to work, stand, or walk under a raised boom/platform.



















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- Be aware of the boom position and tail swing when rotating the turret (turntable).
- Always ensure that the chassis is never kept any closer than 1 m (3 ft 3 in) to holes, bumps, slopes, obstructions, debris and ground coverings that may hide holes and other dangers.
- Keep non-operating personnel at least 5 m (16 ft 5 in) away from the machine when driving and slewing.
- Be aware of driving direction.
 - When changing the driving direction (Forward <> Reverse) the joysticks or switches must return to the neutral position before reversing the drive direction and for movement to occur.
- When driving, position the platform so as to provide the best possible visibility and to avoid any blind spots.
- Hold on securely to the guardrails.
- Personal Protection Equipment (EPI) :
 - The occupants of the aerial work platform must wear personal protection equipment and comply with local regulations in force.
 - Operators must comply with the safety standards of the job site and the employer, as well as the applicable state regulations relating to the use of personal protective equipment.
 - All personal fall protection equipment (PFPE) must comply with current regulations, must be inspected and used in accordance with the manufacturer's instructions.
- Avoid contact with fixed or mobile obstacles (other machines).
- Other machines (crane, aerial work platform, etc.) operating in the work area increase the risk of crushing or collision. Restrict the operation of machines moving within the aerial work platform work area.
- Take into consideration the stopping distance, reduced visibility and blind spots of the machine.
- Limit travel speed to suit the ground surface condition, slope (incline), and people in the vicinity.

2.1.7 - Risk of involuntary movements

Never use a damaged or malfunctioning machine.

Always respect the following rules :

- Maintain clearance from high voltage lines.
- Maintain clearance from generators, radar, electromagnetic fields.
- Never expose the batteries or electrical components to water (high pressure washer, rain).

3 - Safety inquiries

Inquiries relating to design criteria/specifications of a product, standards compliance, or overall machine safety should be sent to the HAULOTTE® PRODUCT SAFETY department.

Each inquiry or request should include all relevant information; including contact name, telephone number, mailing address, email address, plus the machine model and serial number.

The HAULOTTE® Product Safety department will evaluate each request/inquiry and will provide a written response.

4 - Incident notification

Notify HAULOTTE® immediately when a HAULOTTE® product has been involved in an incident/ accident leading to personal injury or death, or when there is a major property damage.

HAULOTTE Group - EUROPE Product Safety Department	HAULOTTE Group - Australia, India and Asia Product Safety Department	HAULOTTE Group - North & South America Product Safety Department
Address : Rue Emile Zola - 42420 Lorette - France	Address : No.26 Changi North Way - Singapore 498812 - Singapore	Address : 3409 Chandler Creek Rd Virginia Beach, VA 23453 - United States
Tel: +33 (0)4 77 29 24 24	Tel : +65 6546 0123	Tel: +1 757 689 2146
Email : productsafety.europe@haulotte.com	Email : productysafety.apac@haulotte.com	Email : productsafety.americas@haulotte.com

Connect to our website : www.haulotte.com



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5 - Compliance

5.1 - PRODUCT MODIFICATION

It is strictly forbidden to modify a HAULOTTE® product. Any modification may violate Haulotte design parameters, local regulations and industry standards.

Any requests for modification must be formulated in writing (form) and be approved by the manufacturer.

Do not hesitate to contact HAULOTTE Services[®], should you have any questions relating to the issued bulletin(s) or with questions on the policy itself.

5.1.1 - Implementing manufacturer safety campaigns

It is essential to implement the safety campaigns issued by the manufacturer. All of these campaigns are accessible on our website.

Connect to our website : www.haulotte.com





Never market (or sell) a machine without first having carried out all of the safety campaigns.

5.2 - **PRODUCT SPECIFICATIONS**

HAULOTTE® cannot be held liable for any changes to the technical characteristics/ specifications contained in this manual. HAULOTTE® has a continuous improvement policy in place for its product range. Given this policy, the Company reserves the right to modify products technical characteristics / specifications without notice.

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5.3 - CHANGE OF OWNERSHIP NOTIFICATION

It is important and necessary to keep HAULOTTE Services® updated with current ownership of the machine. This way, HAULOTTE® will be able to provide the necessary support for the product. If you have sold or transferred this machine(s); it is your responsibility to notify HAULOTTE Services®. It is not required to include Lessees/Renters of Leased/Rented machines on this form.

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B-Familiarization

1 - General safety

1.1 - INTENDED USE

Do not operate the product in the following situations :

- On soft, unstable or cluttered ground.
- With wind blowing faster than the permissible limit :
 - Check the allowable wind speed specified in the performace specifications tabulation.
 - Consult the Beaufort scale.
- Close to power lines. Keep a safe distance.
- If the machine is stored at a temperature out of range 20°C / + 50°C (- 4°F / + 122°F).
- In an explosive atmosphere / environment.
- During storms.
- In the presence of strong electromagnetic fields.

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N.B.-:-USE THE MACHINE UNDER "NORMAL" CLIMATIC CONDITIONS. IF YOU NEED TO USE THE MACHINE IN CLIMATIC CONDITIONS LIKELY TO CAUSE DETERIORATION (EXTREME : HUMIDITY, TEMPERATURES, SALINITY, CORROSIVENESS, ATMOSPHERIC PRESSURE), CONTACT HAULOTTE SERVICES®. REDUCE INTERVALS BETWEEN SERVICING.

N.B.-:-While the machine is not in use, care must be taken to bring the machine to the *fully stowed position. Ensure that the machine is locked in a secure location, and the control key is removed to prevent unauthorised use of the machine.*

B-Familiarization

1.2 - DECAL CONTENT

The purpose of the labels on the machine is to alert the user to the conditions of use and risks related to aerial work platforms.

Decals provide the following information :

- The level of severity.
- The specific hazard.
- A method to avoid, suppress or reduce the hazard.
- Descriptive text (where required).

Familiarize yourself with the decals and the hazard severity levels.

The labels must be kept in good condition, otherwise they must be replaced.

Familiarize yourself with the decals and their respective color codes.

Additional decals can be ordered from HAULOTTE Services®.

AS standard



ANSI and CSA standards



Marking	Description
1	Hazard symbol
2	Level of severity
3	Avoidance symbol pictorial
4	Avoidance text

1.3 - SYMBOLS AND COLORS

Symbols and colors are used to alert the operator of safety precautions and/or to highlight important safety information.

The following safety symbols are used throughout this manual to indicate specific hazards and the hazard severity level when operating or maintaining the Aerial Work Platform.

Symbol	Description	
	Danger : Risk of injury or death	C
	Caution : Risk of material damage	
\bigcirc	Prohibited action	
	Reminder to use good practice or follow pre-operation checks	
	Cross-reference to another part of the manual	
	Cross-reference to another manual	Е
	Cross-reference to repair (contact HAULOTTE Services®)	
N.B. :	Additional technical information	

1.4 - LEVEL OF SEVERITY

Color	Title	Description
A	A DANGER	Danger : Indicates a hazardous situation which if not avoided, WILL result in death or serious injury.
	A WARNING	Warning : Indicates a hazardous situation which if not avoided, COULD result in death or serious injury.
		Caution : Failure to comply could result in minor or moderate injury.
	NOTICE	Notice : Indicates recommended practices if not followed, may result in a malfunction or damage the machine or its components.
	PROCEDURE	Procedure : Indicates a maintenance operation.

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B- Familiarization

1.5 - SYMBOLS LEGEND AND DEFINITIONS

Symbols are used throughout this manual to depict hazards, avoidance measures and indicate when information is required.

Refer to the following table to familiarize yourself with these symbols.

Symbol	Description	Symbol	Description	Symbol	Description
			Foot crushing hazard	A	High pressure fluid ejection hazard
À	Risk of crushing or pinning		Hand crushing hazard		Crushing hazard
			Health/safety hazards related to chemicals		Burn hazard
<u>A</u>	Risk of electrocution		Burns and scalds from contact with flames, explosion or radiation from heat sources		Injury from Electric arcs - Energy supply disconnecting devices - Batteries fire, emissions, etc
	Fall hazard		Tip over due to excessive loading / wind load and excessive ground slope		Relate and coordinate directional arrows on the chassis with those on the control box
	Do not put foot in this area		Do not put your hand in this area		Keep away from product
\bigotimes	Use of high- pressure cleaners prohibited		Ensure entry drop rail is down		working area
	Flames prohibited	T to	Maintain safe clearance from high voltage electrically charged conductors as described in manual - Do not use in thunderstorms	e	Overload
	Refer to operator manual	Ä	Safety belt		Use appropriate lanyard attached to dedicated anchor point.
(\$\-\$	Wheel pressure		Enable switch		Use safety prop before attempting any maintenance work
~	Tow point		Tie down point	(f) S	Lift point
No.	Keep away from hot surfaces		Wear protective equipment		

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B- Familiarization

2 - Models description

Models		Regulations					
Models	CE	UKCA	ANSI	CSA	EAC	AS	JIS
HTA13P	×	X	×	×	×	\checkmark	×
HTA16P	×	X	×	×	×	\checkmark	X
HTA19P	×	×	×	×	×	\checkmark	×
3522A	×	×	\checkmark	\checkmark	×	×	×
4527A	×	×	\checkmark	\checkmark	×	×	×
5533A	×	X	\checkmark	\checkmark	×	×	X

Legend

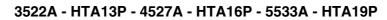
\checkmark	Available
×	Not available

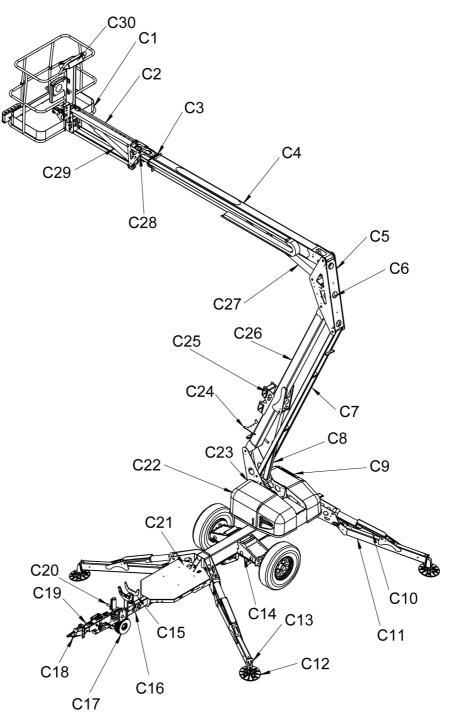
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B- Familiarization

3 - Primary machine components

3.1 - LAYOUT





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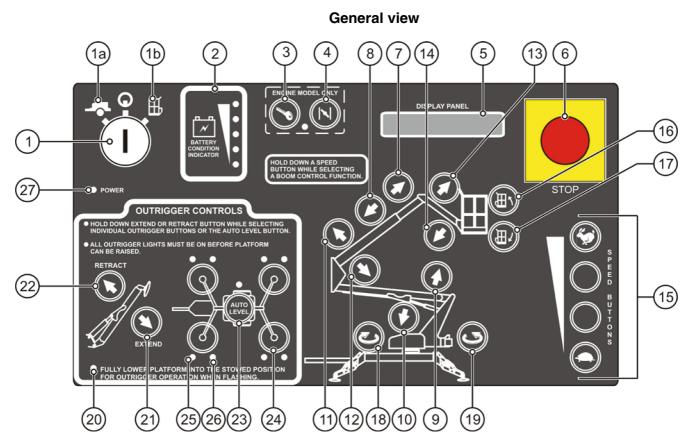
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B- Familiarization

Marking	Description	Marking	Description
C1	Platform	C16	Latch release
C2	Jib boom	C17	Dolly wheel
C3	Extension boom	C18	Trailer hitch
C4	Secondary boom	C19	Coupler
C5	Knuckle	C20	Jack
C6	Master cylinder	C21	Generator interface plate
C7	Lower link	C22	Power unit compartment
C8	Primary lift cylinder	C23	Turntable
C9	Ground control box	C24	Secondary boom rest
C10	Outrigger cylinder	C25	Forklift pocket
C11	Outrigger leg	C26	Primary boom
C12	Outrigger pad	C27	Secondary lift cylinder
C13	Outrigger foot	C28	Slave cylinder
C14	Axle	C29	Jib lift cylinder
C15	Primary boom rest	C30	Platform control box

B- Familiarization

3.2 - GROUND CONTROL BOX 3.2.1 - Layout



Controls and indicators

Marking	Description	Function	
1	Key Switch	 Turn the KEY SWITCH (1) to the GROUND (1a) to select operation from the ground control box. Turn the KEY SWITCH (1) to the PLATFORM (1b) to select operation from the platform control box. Turn the KEY SWITCH (1) to the off position . Remove the key to protect against unauthorized operation. 	
2	Battery Condition Indicator	 Indicator LEDs light up to indicate the level of charge in the batteries : A lighted green LED indicates an adequate charge level. A lighted yellow LED indicates the need for charging soon. A lighted red LED warns that the battery charge level is low; all functional operations become non-functional until the batteries are recharged. 	
3 - 4	Engine Start and Choke / Glow Plug ¹	 Start a cold engine : Press and hold the CHOKE (4), then press the ENGINE START (3). To start/restart a warm engine, press the ENGINE START (3). Press and hold the GLOW PLUG (4) for 30 - 60 seconds then press the ENGINE START (3). 	
5	Display panel	The DISPLAY PANEL is a lighted text window that displays the current operating statu or an existing error condition when the KEY SWITCH (1) is positioned at either (1a or (1b).	

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B- Familiarization

Marking	Description	Function	
6	Emergency stop button	 When pushed in, the EMERGENCY STOP (6) button disconnects electrical power to the ground (lower) and platform (upper) control boxes The EMERGENCY STOP button should only be pressed (pushed) in to immediately stop all aerial work platform motion. To resume control, "pull out" the EMERGENCY STOP (6). 	
7 - 8	Boom Extend / Retract Buttons	 Pressing (pushing) in and holding a desired SPEED/ENABLE (15) button, and the BOOM EXTEND (7) button at the same time extends the secondary boom. Pressing (pushing) in and holding a desired SPEED/ENABLE (15) button, and the BOOM RETRACT (8) button at the same time retracts the secondary boom. Telescopic boom motion continues until the buttons are released, or until the boom reaches a hard stop, or a safe travel limit. 	
9 - 14	Boom Raise / Down Buttons and Jib Raise / Down Buttons	 Pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the PRIMARY BOOM RAISE (9) button at the same time will raise the primary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the PRIMARY BOOM DOWN (10) button at the same time will retract the primary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the SECONDARY BOOM RAISE (11) button at the same time will raise the secondary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the SECONDARY BOOM RAISE (11) button at the same time will raise the secondary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the SECONDARY BOOM DOWN (12) button at the same time will retract the secondary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the JIB BOOM RAISE (13) button at the same time will raise the JIB BOOM, pressing (pushing) and holding a desired SPEED/ENABLE (15) button, and the JIB BOOM RAISE (14) button at the same time will raise the JIB BOOM. The selected Boom motion continues until the buttons are released or until the selected boom reaches a hard stop or a safe travel limit. 	
15	Speed/Enable buttons	 The SPEED/ENABLE (15) buttons are located along the lower right side of the corpanel, one of the speed/enable buttons must be pressed (pushed) in and held while selecting any boom function. There are four speeds that range from fast (RABBIT), to slow (TURTLE), available help control the positioning of the Boom and the Jib. 	
16 - 17	Platform Leveling Buttons	 Press (push) and hold any SPEED/ENABLE (15) button, and the desired PLATFORM TILT UP (16) or PLATFORM TILT DOWN (17) button at the same time to level the work platform. This levels the platform only, NOT the aerial work platform. 	
18 - 19	Turret Rotation Buttons	 Pressing (pushing) and holding a desired SPEED (15) button, and the TURRET ROTATION (18) button at the same time enables the turret to rotate in the CLOCKWISE direction. Pressing (pushing) and holding a desired SPEED (15) button, and the TURRET ROTATION (19) button at the same time enables the turret to rotate in the COUNTER CLOCKWISE direction. The turret will rotate through 700° of Non-Continuous rotation until the buttons are released or the stop is reached. 	
20	Booms stowed LED	 When this LED is "FLASHING" it indicates that the booms are not in the "stowed" position, and the outriggers cannot be operated (non-functional). When this LED is "ON SOLID" it indicates that the booms are in the "stowed" position, and the outriggers can be operated (functional). 	

B- Familiarization

Marking	Description	Function
21 - 26	Outrigger controls	 For simultaneous automatic outrigger extension / retraction of all four (4) outriggers : Select the EXTEND (21) button or RETRACT (22) button and the AUTO LEVEL (23) button at the same time. To individually extend or retract the outriggers : Select the EXTEND (21) button or RETRACT (22) button, and one of the four OUTRIGGER (24) buttons at the same time. The outrigger indicator LEDs (20) and (23) light up when the outriggers are properly deployed and the aerial work platform weight is on the outrigger foot pads. Each of the outer outrigger LEDs (25) indicates load is on the outrigger foot pad. Each of the inner outrigger LEDs (26), when flashing, indicates that side is low, and needs to be further raised for leveling.
27	Power	The LED (27) lights up when power is On.

1. For machines with engines only

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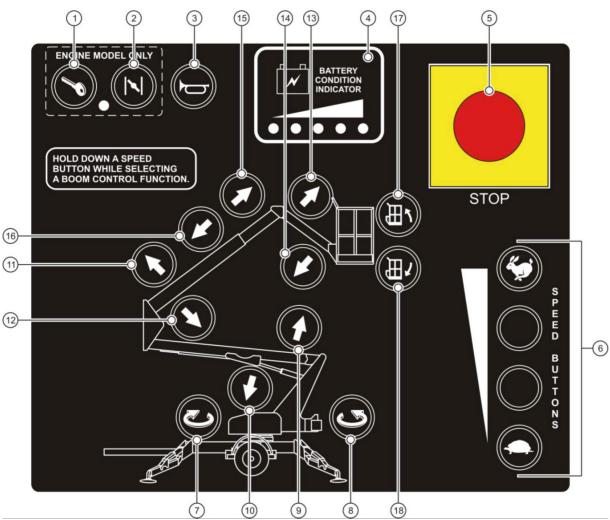
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B- Familiarization

3.3 - PLATFORM CONTROL BOX

3.3.1 - Layout





Controls and indicators

Marking	Description	Function
1-2	Engine Start and Choke / Glow Plug ¹	 Start a cold engine by pressing (pushing) in and holding the CHOKE (2) button then press (push) the ENGINE START (1) button. To start / restart a warm engine, press (push) the ENGINE START (1) button only. Glow plug operation : Press (push) the GLOW PLUG (2) button and hold for 30 - 60 seconds then press (push) the ENGINE START (1) button
3	Horn button	Pressing (pushing) the HORN button (3) will sound the HORN. Use the horn button to warn personnel in the area of a falling object hazard, impending boom motions or the need for assistance.
4	Battery Condition Indicator	 Indicator LEDs light up to indicate the level of charge in the batteries : A lighted green LED indicates an adequate charge level. A lighted yellow LED indicates the need for charging soon. A lighted red LED warns that the battery charge level is low; all functional operations become non-functional until the batteries are recharged.

B- Familiarization

Marking	Description	Function
5	Emergency stop button	 When pushed in, the EMERGENCY STOP (5) button disconnects electrical power to the ground (lower) and platform (upper) control boxes The EMERGENCY STOP button (5) should only be pressed (pushed) to immediately stop all boom functions. To resume control, "pull out" the EMERGENCY STOP (5).
6	Speed/Enable buttons	 The SPEED/ENABLE (6) buttons are located along the lower right side of the control panel, one of the speed/enable buttons must be pressed (pushed) in and held while selecting any boom function. There are four speeds that range from fast (RABBIT), to slow (TURTLE), available to help control the positioning of the Boom and the Jib.
7-8	Boom Rotation Buttons	 Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the BOOM ROTATION (7) button at the same time enables the boom to rotate in the CLOCKWISE direction. Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the BOOM ROTATION (8) button at the same time enables the boom to rotate in the COUNTER CLOCKWISE direction. The boom will rotate through 700° of Non-Continuous rotation until the buttons are released or the stop is reached.
9-14	Boom Raise / Down Buttons and Jib Raise / Down Buttons	 Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the PRIMARY BOOM RAISE (9) button at the same time will raise the primary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the PRIMARY BOOM DOWN (10) button at the same time will retract the primary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the SECONDARY BOOM RAISE (11) button at the same time will raise the secondary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the SECONDARY BOOM RAISE (11) button at the same time will raise the secondary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the SECONDARY BOOM DOWN (12) button at the same time will retract the secondary boom. Pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the JIB BOOM RAISE (13) button at the same time will raise the JIB BOOM, pressing (pushing) and holding a desired SPEED/ENABLE (6) button, and the JIB BOOM RAISE (13) button at the same time will raise the JIB BOOM DOWN (14) button at the same time will retract the JIB BOOM. The selected Boom motion continues until the buttons are released or until the selected boom reaches a hard stop or a safe travel limit.
15-16	Boom Extend / Retract Buttons	 Pressing (pushing) in and holding a desired SPEED/ENABLE (6) button, and the BOOM EXTEND (15) button at the same time extends the secondary boom. Pressing (pushing) in and holding a desired SPEED/ENABLE button, and the BOOM RETRACT (16) button at the same time retracts the secondary boom. Telescopic boom motion continues until the buttons are released, or until the boom reaches a hard stop, or a safe travel limit.
17-18	Platform Leveling Buttons	 Press (push) and hold any SPEED/ENABLE (6) button, and the desired PLATFORM TILT UP (17) or PLATFORM TILT DOWN (18) button at the same time to level the work platform. This levels the platform only, NOT the aerial work platform.
	Outlet	An outlet has been provided as a power source for running electrical power tools, while in the work platform. The power plug is located on the turntable. A connecting power cord must be plugged into a suitable power source. The outlet is rated for a 15 A load. Do not overload the accessory power circuit.

1. For machines with engines only

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B- Familiarization

Performance Specifications 4 -

4.1 -**TECHNICAL CHARACTERISTICS**

Use the table to select the right Haulotte machine for the job.

ANSI, CSA and AS standards

	Machine	3522A -	HTA13P
Characteristics - Dimensions		SI	Imp.
Maximum working height		12,9 m	41 ft 9 in
Maximum platform height		10,9 m	35 ft 9 in
Up and over height		5,8 m	19 ft 0 in
Maximum horizontal outreach : • From centerline of rotation • From outrigger footpad edge		6,9 m 5,3 m	22 ft 6 in 17 ft 5 in
Rated platform capacity : • Without platform rotator option • With platform rotator option		227 kg 200 kg	500 lbs 440 lbs
Maximum number of occupants		2	2
Maximum wind speed allowed		45 km/h (12,5 m/s)	28 mph (41 ft/s)
Total weight : • Without option • Drive and set option adds 113 k other options add 68 kg (150 lb)	kg (250 lb), Engine option adds 86 kg (190 lb), all to weight	1542 kg	3400 lbs
Total weight - AS standard only : • Without platform rotator option • With platform rotator option		1672 kg 1682 kg	3685 lbs 3708 lbs
Turntable rotation		700° non	continuous
Leveling capability		12.5°	
Manual force		400 N - 90 lbf	
Platform dimensions : • Height • Length • Width		1,1 m 0,8 m 1,2 m	3 ft 7 in 2 ft 6 in 4 ft 0 in
Platform rotation / Type (Optional)	120° / Manual	
Machines stowed dimensions : • Height • Length • Width		2 m 5 m 1,7 m	6 ft 5 in 16 ft 3 in 5 ft 5 in
Jib dimensions : • Length • Vertical Motion		1,3 m 150° (+70° / -80°)	4 ft 3 in 150° (+70° / -80°)
Outrigger footprint (To center of p • Length • Width • Footpad diameter	ad) :	3,4 m 3 m 0,25 m	11 ft 1 in 9 ft 11 in 10 in
Parking brake		Mechanical	
Towing brake		Hydrauli Mech Elec	anical
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B- Familiarization

Machine	3522A - HTA13P
Rated towing speed	105 km/h 65 mph
Tire size	ST 205/75 R14C
Control system	24V DC
Battery	4 x 6V 245 amp-hr
Charger	110 Volt 60 Hz 220 Volt 50 Hz
Hydraulic pressure	207 bar (20684 kPa) 3000 psi
Reservoir capacity	11,7 I 3.1 Gallons
Hydraulic system capacity	19,3 I 5.1 Gallons
Hydraulic oil (Standard)	HVI AW32
Localized Pressure per Outrigger	1,8 kg/cm2 (176,5 25 psi kPa) 25 psi
Operating Temperature Range	From -20 °C(-4 °F) to 50 °C(122 °F)
Engine (IC generator option)	 Engine Model GX270 Horsepower rating Torque (Ft-Lbs) Fuel tank capacity Oil capacity Honda Honda GX270 8.4@3600 RPM 14.1@2500 RPM 6.4 US qt 1.16 US qt
Function speeds : • Boom - Primary Up • Boom - Primary Down • Boom - Secondary Up • Boom - Secondary Down • Boom - Jib Up • Boom - Jib Down • Extension boom - Boom extend • Extension boom - Boom retract • Turntable 700° Non Continuous Rotation • Platform Leveling Up • Platform Compensation Down • Outriggers (Auto level) - Outrigger retract	14-18 sec 14-18 sec 12-16 sec 18-22 sec 16-10 sec 10-14 sec 10-14 sec 14-18 sec 154-158 sec 8-12 sec 5-9 sec 12-16 sec 22-26 sec

B- Familiarization

ANSI, CSA and AS standards

Machine		4527A - HTA16P	
Characteristics - Dimensions	;	SI	Imp.
Maximum working height		15,7 m	51 ft 0 in
Maximum platform height		13,7 m	45 ft 0 in
Up and over height		6,3 m	20 ft 9 in
Maximum horizontal outreach : • From centerline of rotation • From outrigger footpad edge		8,2 m 6,4 m	27 ft 0 in 21 ft 0 in
Rated platform capacity : • Without platform rotator option • With platform rotator option	n	227 kg 200 kg	500 lb s440 lbs
Maximum number of occupants	3	2	
Maximum wind speed allowed		45 km/h (12,5 m/s)	28 mph (41 ft/s)
Total weight : • Without option • Drive and set option adds 11 other options add 68 kg (150 ll	3 kg (250 lb), Engine option adds 86 kg (190 lb), all b) to weight	1905 kg	4200 lbs
Total weight - AS standard onl • Without platform rotator option • With platform rotator option		1929 kg 1939 kg	4252 lbs 4275 lbs
urntable rotation		700° non continuous	
_eveling capability		12.5°	
Vanual force		400 N - 90 lbf	
Platform dimensions : • Height • Length • Width		1,1 m 0,8 m 1,2 m	3 ft 7 in 2 ft 6 in 4 ft 0 in
Platform rotation / Type (Optior	al)	120° / Manual	
Machines stowed dimensions : • Height • Length • Width		2 m 5,9 m 1,7 m	6 ft 5 in 19 ft 6 in 5 ft 5 in
Jib dimensions : • Length • Vertical Motion		1,3 m 150° (+70° / -80°)	4 ft 3 in 150° (+70° / -80°)
Outrigger footprint (To center o • Length • Width • Footpad diameter	f pad) :	3,8 m 3,5 m 0,3 m	12 ft 4 in 11 ft 4 in 12.5 in
Parking brake		Mechanical	
Towing brake		Hydraulic Surge Mechanical Electrical	
Rated towing speed		105 km/h	65 mph
Tire size		ST 225/75 R15D	
Control system		24V DC	
Battery		4 x 6V 245 amp-hr	
Charger		110 Volt 60 Hz 220 Volt 50 Hz	
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B- Familiarization

Machine	4527A - HTA16P	
Hydraulic pressure	207 bar (20684 kPa)	3000 psi
Reservoir capacity	16,3 l	4.3 Gallons
Hydraulic system capacity	23,9 I	6.3 Gallons
Hydraulic oil (Standard)	HVI AW32	
Localized Pressure per Outrigger	1,8 kg/cm2 (176,5 kPa)	25 psi
Operating Temperature Range	From -20 °C(-4 °F) to 50 °C(122 °F)	
Engine (IC generator option)	 Engine Model Horsepower rating Torque (Ft-Lbs) Fuel tank capacity Oil capacity 	14.1@2500 RPM
Function speeds : • Boom - Primary Up • Boom - Primary Down • Boom - Secondary Up • Boom - Secondary Down • Boom - Jib Up • Boom - Jib Down • Extension boom - Boom extend • Extension boom - Boom retract • Turntable 700° Non Continuous Rotation • Platform Leveling Up • Platform Compensation Down • Outriggers (Auto level) - Outrigger retract	24-28 sec 22-26 sec 20-24 sec 34-38 sec 8-12 sec 24-28 sec 24-28 sec 28-32 sec 205-209 sec 8-12 sec 6-10 sec 16-20 sec 30-34 sec	

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B- Familiarization

ANSI, CSA and AS standards

	Machine	5533A -	HTA19P	
Characteristics - Dimensions	3	SI	Imp.	
Maximum working height		8,8 m	61 ft 3 in	
Vaximum platform height		16,8 m	55 ft 3 in	
Jp and over height		7 m	23 ft 1 in	
Maximum horizontal outreach From centerline of rotation From outrigger footpad edge		10,2 m 8,2 m	33 ft 5 in 27 ft 4 in	
Rated platform capacity : Without platform rotator optio With platform rotator option	n	227 kg 200 kg	500 lb s440 lbs	
Maximum number of occupant	S		2	
Maximum wind speed allowed		45 km/h (12,5 m/s)	28 mph (41 ft/s)	
Total weight : • Without option • Drive and set option adds 11 other options add 68 kg (150 l	3 kg (250 lb), Engine option adds 86 kg (190 lb), all b) to weight	2177 kg	4800 lbs	
Total weight - AS standard onl Without platform rotator optio With platform rotator option		2307 kg 2317 kg	5085lbs 5108 lbs	
Furntable rotation		700° non (continuous	
eveling capability		12	.5°	
lanual force		400 N	- 90 lbf	
Platform dimensions : • Height • Length • Width		1,1 m 0,8 m 1,2 m	3 ft 7 in 2 ft 6 in 4 ft 0 in	
Platform rotation / Type (Option	nal)	120° / I	Vanual	
Machines stowed dimensions : Height Length Width		2 m 7 m 1,7 m	6 ft 6 in 22 ft 11 in 5 ft 5 in	
Jib dimensions : Length Vertical Motion		1,3 m 150° (+70° / -80°)	4 ft 3 in 150° (+70° / -80°)	
Outrigger footprint (To center c Length Width Footpad diameter	f pad) :	3,93 m 3,88 m 0,3 m	12 ft 11 in 12 ft 9 in 12.5 in	
Parking brake		Mech		
Fowing brake		Hydraulic Surge Mechanical Electrical		
Rated towing speed		105 km/h	65 mph	
ire size		ST 225/7	75 R15D	
Control system		24V	DC	
Battery		4 x 6V 24	5 amp-hr	
Charger		110 Vol	t 60 Hz t 50 Hz	
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Machine	5533A - H	ITA19P
Hydraulic pressure	207 bar (20684 kPa)	3000 psi
Reservoir capacity	21,2	5.6 Gallons
Hydraulic system capacity	32,2	8.5 Gallons
Hydraulic oil (Standard)	HVI AV	V32
Localized Pressure per Outrigger	1,8 kg/cm2 (176,5 kPa)	25 psi
Operating Temperature Range	From -20 °C(-4 °F)	to 50 °C(122 °F)
Engine (IC generator option)	 Engine Model Horsepower rating Torque (Ft-Lbs) Fuel tank capacity Oil capacity 	Honda GX270 8.4@3600 RPM 14.1@2500 RPM 6.4 US qt 1.16 US qt
Function speeds : • Boom - Primary Up • Boom - Primary Down • Boom - Secondary Up • Boom - Secondary Down • Boom - Jib Up • Boom - Jib Down • Extension boom - Boom extend • Extension boom - Boom retract • Turntable 700° Non Continuous Rotation • Platform Leveling Up • Platform Compensation Down • Outriggers (Auto level) - Outrigger retract	18-22 18-22 14-18 24-28 6-10 5 20-24 24-28 26-30 200-20 10-14 7-11 5 25-29 42-46	sec sec sec sec sec sec sec sec sec sec

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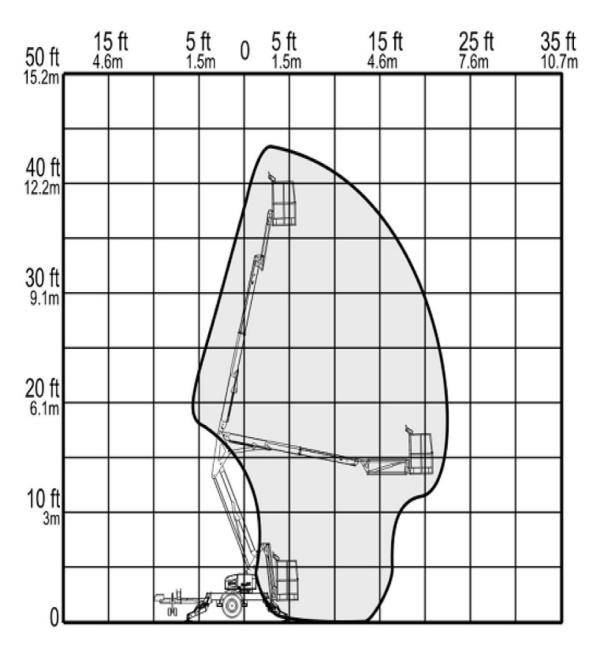
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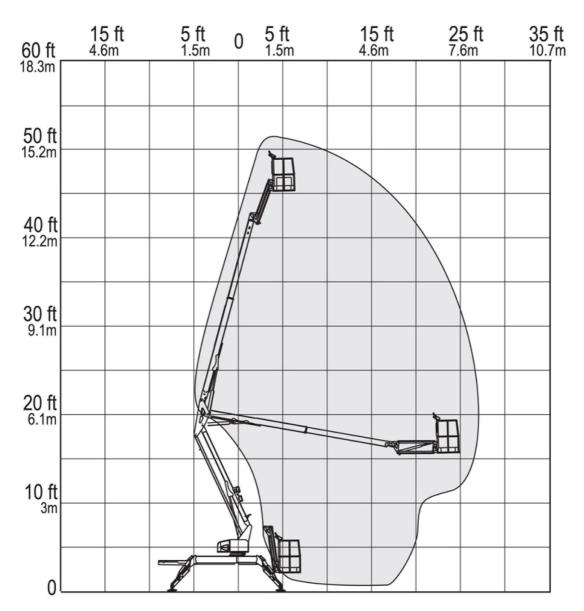
B- Familiarization

4.2 - WORKING AREA / RANGE OF MOTION

The following information is based on ideal working conditions. Machine performance may vary based on work environment and on machine options. Only one boom function is permitted at a time, this function is only operable as long as the boom is within the safe operating zone. Once a boom motion exceeds its safe operating limit, that function ceases, another boom function within the safe operating zone must be selected.



3522A - HTA13P



4527A - HTA16P

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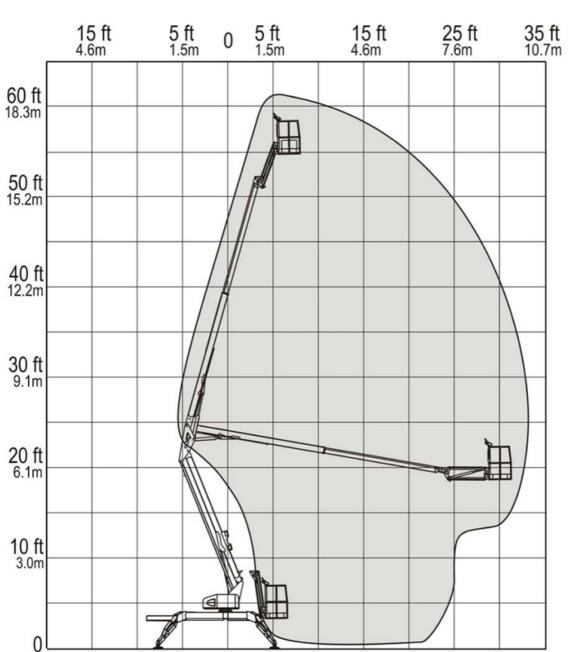
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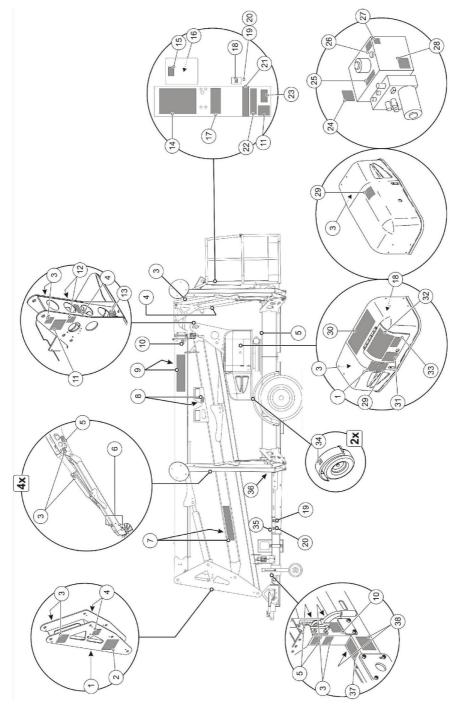
5533A - HTA19P

5 - Decals and markings locations



- Decals contain information that is required for the safe and proper use of the aerial work platform.
- Decals should be considered necessary components of the machine and should be checked before each use to verify that they are correctly attached and legible.
 - Promptly replace all decals that are no longer legible.

Decal placement - Decal kit - ANSI/CSA/AS - 3522A - HTA13 - Used on machines with serial numbers prior to x only



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B-Familiarization

Decal placement - Decal kit - ANSI/CSA/AS - 3522A - HTA13 - Used on machines with serial numbers prior to x only

Marking	Color	Description	Quantity	3522A - HTA13
1	Orange	Decal - Warning - Unhitch To Operate	2	B06-00-0550
2	Yellow	Decal - Caution - Latch / Jack / Brake	1	B06-00-0551
3	Orange	Decal - Warning - Hand Pinch Point	16	For ANSI : B06-00-0405 For AS : B06-00-0405-CE
4	Blue	Decal - Emergency Lower Valve	6	For ANSI : B06-00-0403 For AS : B06-00-0403-CE
5	Red	Decal - Danger - Tip Over Hazard	6	B06-00-0521
6	Orange	Decal - Warning - Outrigger Crush Foot	8	For ANSI : B06-00-0404 For AS : B06-00-0404-CE
7	Other	Decal - HAULOTTE Biljax - 5 inBlack / Red on clear	2	B06-00-0161B
8	Orange	Decal - Warning - Fork Lift Use	2	B06-00-0477
9	Other	Decal 3522A - HTA13 - Black clear vinyl with black letters	2	B06-00-0538
10	Other	Decal - Transport latch	1	B06-00-0481
11	Blue	Decal - Notice - Working area / Range of motion - 3522A - HTA13	2	B06-00-0535
12	Red	Decal - Danger - Electrocution	2	For ANSI : B06-00-0482 For AS : B06-00-0482-CE
13	Other	Decal - Lubricate Semi - Annually	1	B06-00-0037
14	Red	Decal - Danger - Main Instruction / Hazard - Platform	1	B06-00-0471
15	Orange	Decal - Warning - Read / Understand Manual	1	For ANSI : B06-00-0475 For AS : B06-00-0475-CE
16	Blue	Decal - Notice - Operator Manual Missing	1	B06-00-0473
17	Orange	Decal - Warning - Platform operation	1	B06-00-0534
18	Blue	Decal - Notice - AC Power	2	For ANSI : B06-00-0062 For AS : B06-00-0062-CE
19	Other	Decal - Air - 120 PSI	2	B06-00-0530
20	Other	Decal - Water - 3000 PSI	2	B06-00-0531
21	Blue	Decal - Notice - Lanyard attachment	1	B06-00-0552
22	Blue	Decal - Notice - Platform maximum load	1	For ANSI : B06-00-0474 For AS : B06-00-0474-CE
23	Other	Decal - Flag, Made In USA	1	0202-0523
24	Blue	Decal - Notice - Handle applications	1	B06-00-0503
25	Blue	Decal - Notice - Emergency hand pump	1	B06-00-0504
26	Blue	Decal - Notice - Low Foam Hyd Oil	1	For ANSI : B06-00-0068 For AS : B06-00-0068-CE
27	Blue	Decal - Notice - Contains hazardous material	1	B06-00-0494
28	Other	Decal - Manual Rotate / Retract	1	B06-00-0541
29	Yellow	Decal - Caution - Compartment Access	2	For ANSI : B06-00-0495 For AS : B06-00-0495-CE
30	Red	Decal - Danger - Main instruction / Hazard - Base	1	B06-00-0505

Marking	Color	Description	Quantity	3522A - HTA13
31	Red	Decal - Danger - Battery / Charger Safety	1	For ANSI : B06-00-0034 For AS : B06-00-0034-CE
32	Orange	Decal - Warning - Ground operation instructions - Articulating	2	B06-00-0533
33	Red	Decal - Danger - Battery / Charger instruction	1	B06-00-0484
34	Orange	Decal - Warning - Crush hazard	2	B06-00-0543
35	Other	Decal - Generator Plate Maximum 200	1	B06-00-0496
36	Blue	Decal - Notice - AC Power Connection	1	B06-00-0478
37	Orange	Decal - Warning - Maximum Tow Speed 65	1	B06-00-0542
38	Orange	Decal - Warning - Tow hazard 65 mph	2	B06-00-0544

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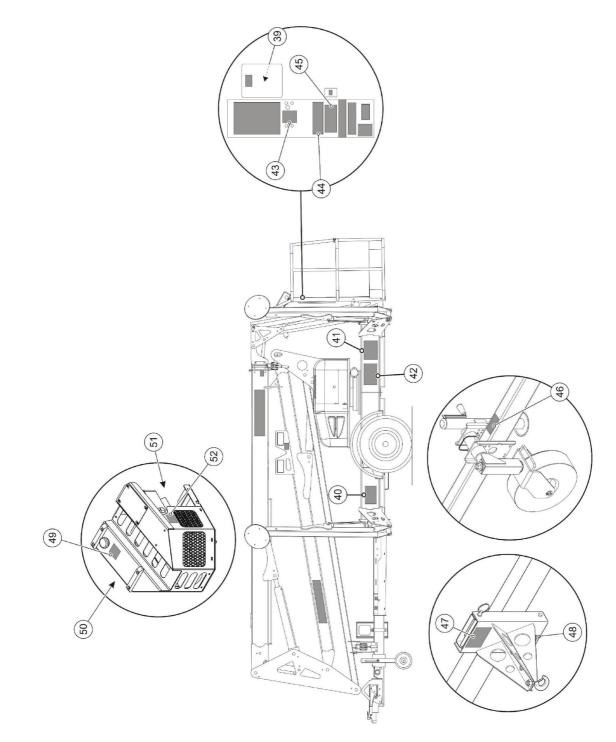
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B- Familiarization

Identification plates and optional equipment - ANSI/CSA/AS - 33522A - HTA13-Used on machines with serial numbers prior to x only



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B-Familiarization

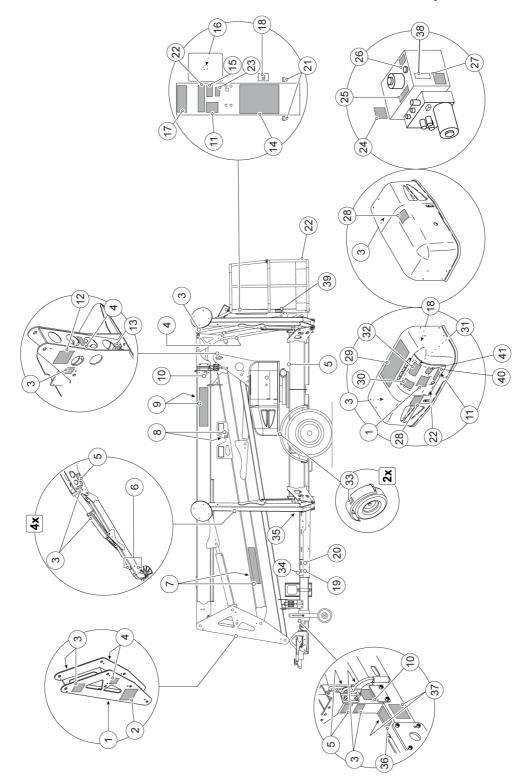
Identification plates and optional equipment - ANSI/CSA/AS - 3522A - HTA13-Used on machines with serial numbers prior to x only

	Identification plate - Used on all standard equipment					
Marking	Color	Description	Quantity	3522A - HTA13		
39	Other	Key ring tag	1	B06-00-0526		
40	Orange	Annual Inspection Plate	1	B06-00-0524		
41	Other	VIN Plate	1	B06-00-0490		
42	Other	ANSI ID Plate	1	B06-00-0499		

Replacement decals for optional equipment - ANSI/CSA/AS - 3522A - HTA13-Used on machines with serial numbers prior to x only

Marking	Color	Description	Quantity	3522A - HTA13
43	Blue	Decal - Notice - Platform rotate - (Manual rotation option)	1	B06-00-0529
44	Orange	Decal - Warning - Drive and set - (Drive and set option)	1	B06-00-0527
45	Blue	Decal - Notice - Drive and set - (Drive and set option)	1	B06-00-0528
46	Orange	Decal - Warning - Jockey wheel - (Drive and set option)	1	B06-00-0553
47	Blue	Decal - Notice - Material Lift Set-Up - (Material lift option)	1	B06-00-0485
48	Blue	Decal - Notice - Material lift max 500 - (Material lift option)	1	B06-00-0497
49	Blue	Decal - Notice - Unleaded fuel only - (Gas engine option)	1	B06-00-0487
50	Yellow	Decal - Caution - Component damage - (Gas engine option)	1	B06-00-0488
51	Blue	Decal - Notice - Engine specifics - (Gas engine option)	1	B06-00-0486
52	Orange	Decal - Warning - Engine operate - Hot - (Gas engine option)	1	B06-00-0547

Decal placement - Decal kit - 4001097420 A.2 - ANSI/CSA/AS - 3522A - HTA13 -Used on machines with serial numbers after x only



B- Familiarization

Decal placement - Decal kit - 4001097410 A.7 - ANSI/CSA/AS - 3522A - HTA13 -Used on machines with serial numbers after x only

Marking	Color	Description	Quantity	3522A - HTA13	
1	Orange	Decal - Warning - Unhitch To Operate	2	B06-00-0550	
2	Yellow	Decal - Caution - Latch / Jack / Brake	1	B06-00-0551	
3	Orange	Decal - Warning - Hand Pinch Point (on both sides)	17	B06-00-0405	
4	Blue	Decal - Emergency Lower Valve	4	B06-00-0403	
5	Red	Decal - Danger - Tip-over Hazards	7	B06-00-0521	
6	Orange	Decal - Warning - Outrigger Crush Foot (on both sides)	8	B06-00-0404	
7	Other	Decal - HAULOTTE®	2	B06-00-0161B	
8	Orange	Decal - Warning - Fork Lift Use	2	B06-00-0477	
9	Other	Decal - 3522A - HTA13 Transfer - Black	2	B06-00-0538	
10	Yellow	Decal - Caution - Transport latch	2	B06-00-0481	
11	Blue	Decal - Notice - Range of Motion (inside of cover)	2	B06-00-0535	
12	Red	Decal - Danger - Electric Shock Hazards (on both sides)	2	B06-00-0482	
13	Other	Decal - Lubricate Semi - Annually	1	B06-00-0037	
14	Red	Decal - Danger - Main Instruction / Hazard - Platform	1	B06-00-0471	
15	Orange	Decal - Read / Understand Manual	1	B06-00-0475	
16	Blue	Decal - Operator Manual Missing	1	B06-00-0473	
17	Orange	Decal - Warning - Platform operation	1	B06-00-0534	
18	Other	Decal - AC Power	2	B06-00-0062	
19	Other	Decal - Air - 8.3 BAR / 120 PSI	1	B06-00-0530	
20	Other	Decal - Water - 207 BAR / 3000 PSI	1	B06-00-0531	
21	Other	Decal - Fall arrest harness	2	307P216290	
22	Red	Decal - Danger - Platform maximum load (inside the cover of the turntable and on toeboard at entrance of the platform)	3	B06-00-0474	
23	Other	Decal - Flag, Made In USA	1	B06-00-0660	
24	Blue	Decal - Notice - Handle applications	1	B06-00-0503	
25	Blue	Decal - Notice - Emergency hand pump	1	B06-00-0504	
26	Blue	Decal - Notice - Low Foam hydraulic oil	1	B06-00-0068	
27	Yellow	Decal-Caution-Manual Rotate / Retract*	1	4001109210	
28	Yellow	Decal - Caution - Compartment Access	2	B06-00-0495	
29	Red	Decal - Danger - Main Instruction / Hazard - Base	1	B06-00-0505	
30	Red	Decal - Danger - Battery / Charger Safety	1	B06-00-0034	
31	Orange	Decal - Warning - Ground operation instructions - (inside of cover)	1	B06-00-0533	
32	Red	Decal - Danger - Battery / Charger Instruction	1	B06-00-0484	
33	Orange	Decal - Warning - Crush hazard	2	B06-00-0543	
34	Yellow	Decal - Caution - Generator Plate Maximum 200	1	B06-00-0496	
35	Blue	Decal - Notice - AC Power Connection	1	B06-00-0478	

Marking	Color	Description	Quantity	3522A - HTA13
36	Orange	Decal - Warning - Maximum Tow Speed 65	1	B06-00-0542
37	Orange	Decal - Warning - Tow hazard 65 mph	2	B06-00-0544
38	Other	Decal - Oil level**	1	B06-00-0671
39	Red	Decal - Danger - Cage pin (on both sides)	2	B06-00-0669
40	Other	Decal - California warning - P65	1	4001026850
41	Other	QR Code (See a see a s	1	4001089310
Not illustrated	Yellow	Decal-Cord wrap-Power to Charger	1	In english - 4001177260 In french - 4001188150 In spanish - 4001188590
Not illustrated	Yellow	Decal-Power to Charger - 110V/60Hz	1	In english - 4001177220 In french - 4001188160 In spanish - 4001188580
Not illustrated	Yellow	Decal-Cord wrap-Power to Platform	1	In english - 4001177230 In french - 4001188140 In spanish - 4001188600
Not illustrated	Yellow	Decal-Power to Platform - 110V/60Hz	1	In english - 4001177270 In french - 4001188130 In spanish - 4001188610

* For 4001158370 hydraulic pump only.

** Fluid level for 4001158370 hydraulic pump only.

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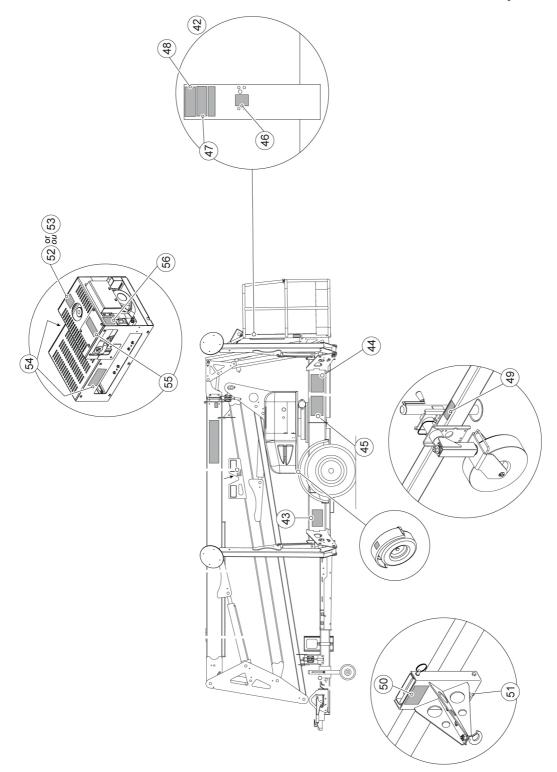
3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

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B- Familiarization

Identification plates and optional equipment - 4001097420 A.2 - ANSI/CSA/AS - 3522A - HTA13 -Used on machines with serial numbers after x only



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B-Familiarization

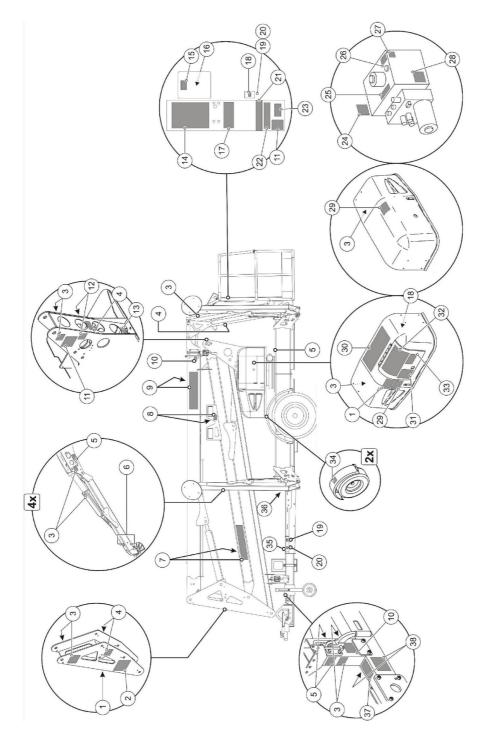
Identification plates and optional equipment - 4001097410 A.7 - ANSI/CSA/AS - 3522A - HTA13 -Used on machines with serial numbers after x only

	Identification plate					
Marking	Color	Description	Quantity	3522A - HTA13		
42	Orange	Key ring tag	1	B06-00-0526		
43	Other	Annual Inspection Plate	1	4001028200		
44	Other	VIN Plate	1	4001028230		
45	Other	ANSI ID plate	1	4001028210		

Replacement decals for optional equipment - 4001097410 A.7 - ANSI - 3522A - HTA13 -Used on machines with serial numbers after x only

Marking	Color	Description	Quantity	3522A - HTA13
46	Blue	Decal - Notice - Platform rotate (Manual rotation option)	1	B06-00-0529-CE
47	Orange	Decal - Warning - Drive and set (Drive and set option)	1	B06-00-0527
48	Blue	Decal - Notice - Drive and set (Drive and set option)	1	B06-00-0528
49	Orange	Decal - Warning - Jockey wheel (Drive and set option)	1	B06-00-0553
50	Blue	Decal - Notice - Material Lift Set-Up (Material lift option)	1	B06-00-0485
51	Blue	Decal - Notice - Material lift max 500 (Material lift option)	1	B06-00-0497
52	Blue	Decal - Notice - Unleaded fuel only (Gas engine option)	1	B06-00-0487
53	Blue	Decal - Notice - Diesel Fuel Only (Engine option)	1	B06-00-0498
54	Yellow	Decal - Caution - Compartment Access(Gas engine option)	2	B06-00-0495
55	Orange	Decal - Warning - Engine operate - Hot (Gas engine option)	1	B06-00-0547
56	Blue	Decal - Notice - Fuel Shut-Off (Gas engine option)	1	B06-00-0657

Decal placement - Decal kit - ANSI/CSA/AS - 4527A - HTA16P - Used on machines with serial numbers prior to 45A18-00031 only



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B-Familiarization

Decal placement - Decal kit - ANSI/CSA/AS - 4527A - HTA16P - Used on machines with serial numbers prior to 45A18-00031 only

Marking	Color	Description	Quantity	4527A - HTA16P
1	Orange	Decal - Warning - Unhitch To Operate	2	B06-00-0550
2	Yellow	Decal - Caution - Latch / Jack / Brake	1	B06-00-0551
3	Orange	Decal - Warning - Hand Pinch Point	16	For ANSI : B06-00-0405 For AS : B06-00-0405-CE
4	Blue	Decal - Emergency Lower Valve	6	For ANSI : B06-00-0403 For AS : B06-00-0403-CE
5	Red	Decal - Danger - Tip Over Hazard	6	B06-00-0521
6	Orange	Decal - Warning - Outrigger Crush Foot	8	For ANSI : B06-00-0404 For AS : B06-00-0404-CE
7	Other	Decal - HAULOTTE Biljax - 5 inBlack / Red on clear	2	B06-00-0161B
8	Orange	Decal - Warning - Fork Lift Use	2	B06-00-0477
9	Other	Decal 4527A - HTA16P - Black clear vinyl with black letters	2	B06-00-0539
10	Other	Decal - Transport latch	1	B06-00-0481
11	Blue	Decal - Notice - Working area / Range of motion - 4527A - HTA16P	2	B06-00-0536
12	Red	Decal - Danger - Electrocution	2	For ANSI : B06-00-0482 For AS : B06-00-0482-CE
13	Other	Decal - Lubricate Semi - Annually	1	B06-00-0037
14	Red	Decal - Danger - Main Instruction / Hazard - Platform	1	B06-00-0471
15	Orange	Decal - Warning - Read / Understand Manual	1	For ANSI : B06-00-0475 For AS : B06-00-0475-CE
16	Blue	Decal - Notice - Operator Manual Missing	1	B06-00-0473
17	Orange	Decal - Warning - Platform operation	1	B06-00-0534
18	Blue	Decal - Notice - AC Power	2	For ANSI : B06-00-0062 For AS : B06-00-0062-CE
19	Other	Decal - Air - 120 PSI	2	B06-00-0530
20	Other	Decal - Water - 3000 PSI	2	B06-00-0531
21	Blue	Decal - Notice - Lanyard attachment	1	B06-00-0552
22	Blue	Decal - Notice - Platform maximum load	1	For ANSI : B06-00-0474 For AS : B06-00-0474-CE
23	Other	Decal - Flag, Made In USA	1	0202-0523
24	Blue	Decal - Notice - Handle applications	1	B06-00-0503
25	Blue	Decal - Notice - Emergency hand pump	1	B06-00-0504
26	Blue	Decal - Notice - Low Foam Hyd Oil	1	For ANSI : B06-00-0068 For AS : B06-00-0068-CE
27	Blue	Decal - Notice - Contains hazardous material	1	B06-00-0494
28	Other	Decal - Manual Rotate / Retract	1	B06-00-0541
29	Yellow	Decal - Caution - Compartment Access	2	For ANSI : B06-00-0495 For AS : B06-00-0495-CE
30	Red	Decal - Danger - Main instruction / Hazard - Base	1	B06-00-0505

Marking	Color	Description	Quantity	4527A - HTA16P
31	Red	Decal - Danger - Battery / Charger Safety	1	For ANSI : B06-00-0034 For AS : B06-00-0034-CE
32	Orange	Decal - Warning - Ground operation instructions - Articulating	2	B06-00-0533
33	Red	Decal - Danger - Battery / Charger instruction	1	B06-00-0484
34	Orange	Decal - Warning - Crush hazard	2	B06-00-0543
35	Other	Decal - Generator Plate Maximum 200	1	B06-00-0496
36	Blue	Decal - Notice - AC Power Connection	1	B06-00-0478
37	Orange	Decal - Warning - Maximum Tow Speed 65	1	B06-00-0542
38	Orange	Decal - Warning - Tow hazard 65 mph	2	B06-00-0544

B- Familiarization	
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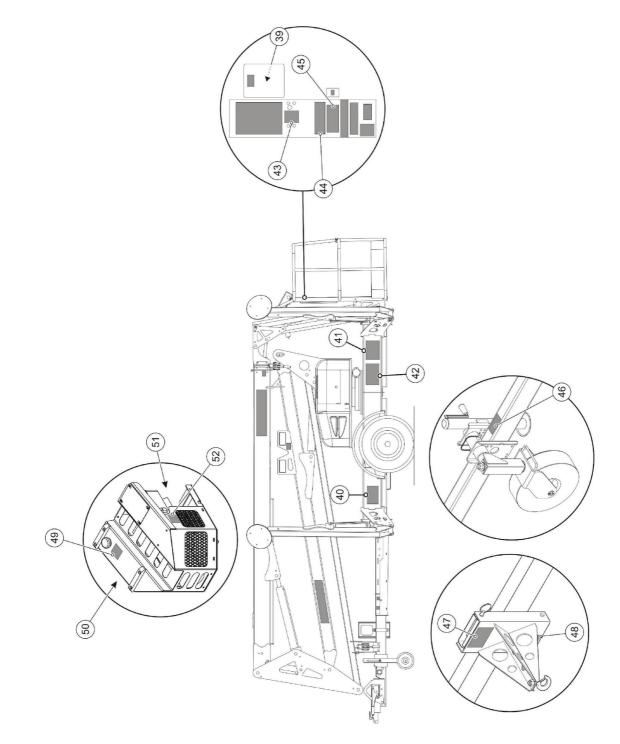
3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

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B- Familiarization

Identification plates and optional equipment - ANSI/CSA/AS - 4527A - HTA16P - Used on machines with serial numbers prior to 45A18-00031 only



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B-Familiarization

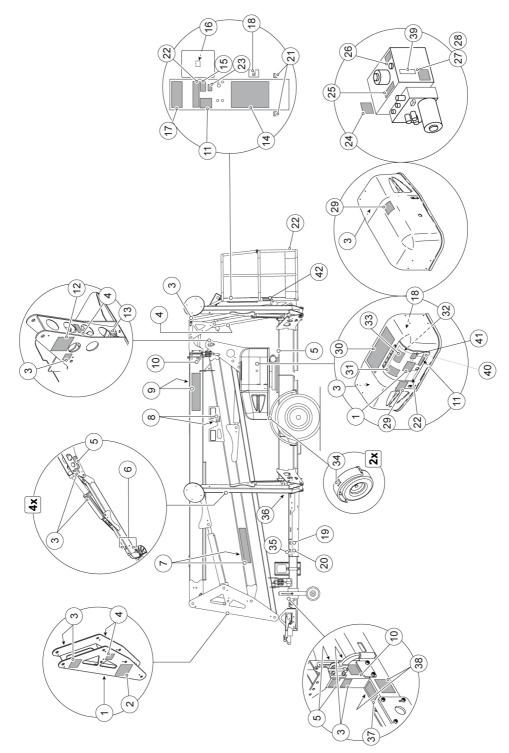
Identification plates and optional equipment - ANSI/CSA/AS - 4527A - HTA16P - Used on machines with serial numbers prior to 45A18-00031 only

	Identification plate - Used on all standard equipment						
Marking	Color	Description	Quantity	4527A - HTA16P			
39	Other	Key ring tag	1	B06-00-0526			
40	Orange	Annual Inspection Plate	1	B06-00-0524			
41	Other	VIN Plate	1	B06-00-0490			
42	Other	ANSI ID Plate	1	B06-00-0499			

Replacement decals for optional equipment - ANSI/CSA/AS - 4527A - HTA16P - Used on machines with serial numbers prior to 45A18-00031 only

Marking	Color	Description	Quantity	4527A - HTA16P
43	Blue	Decal - Notice - Platform rotate - (Manual rotation option)	1	B06-00-0529
44	Orange	Decal - Warning - Drive and set - (Drive and set option)	1	B06-00-0527
45	Blue	Decal - Notice - Drive and set - (Drive and set option)	1	B06-00-0528
46	Orange	Decal - Warning - Jockey wheel - (Drive and set option)	1	B06-00-0553
47	Blue	Decal - Notice - Material Lift Set-Up - (Material lift option)	1	B06-00-0485
48	Blue	Decal - Notice - Material lift max 500 - (Material lift option)	1	B06-00-0497
49	Blue	Decal - Notice - Unleaded fuel only - (Gas engine option)	1	B06-00-0487
50	Yellow	Decal - Caution - Component damage - (Gas engine option)	1	B06-00-0488
51	Blue	Decal - Notice - Engine specifics - (Gas engine option)	1	B06-00-0486
52	Orange	Decal - Warning - Engine operate - Hot - (Gas engine option)	1	B06-00-0547

Decal placement - Decal kit - 4001096870 A.5 - ANSI/CSA/AS - 4527A - HTA16P -Used on machines with serial numbers after 45A18-00031 only



B- Familiarization

Decal placement - Decal kit - 4001096880 A.5 - ANSI/CSA/AS - 4527A - HTA16P -Used on machines with serial numbers after 45A18-00031 only

Marking	Color	Description	Quantity	4527A - HTA16P	
1	Orange	Decal - Warning - Unhitch To Operate	2	B06-00-0550	
2	Yellow	Decal - Caution - Latch / Jack / Brake	1	B06-00-0551	
3	Orange	Decal - Warning - Hand Pinch Point (on both sides)	17	B06-00-0405	
4	Blue	Decal - Emergency Lower Valve	4	B06-00-0403	
5	Red	Decal - Danger - Tip-over Hazards	7	B06-00-0521	
6	Orange	Decal - Warning - Outrigger Crush Foot (on both sides)	8	B06-00-0404	
7	Other	Decal - HAULOTTE®	2	B06-00-0161B	
8	Orange	Decal - Warning - Fork Lift Use	2	B06-00-0477	
9	Other	Decal - 4527A - HTA16P Transfer - Black	2	B06-00-0539	
10	Yellow	Decal - Caution - Transport latch	2	B06-00-0481	
11	Blue	Decal - Notice - Range of Motion (inside of cover)	2	B06-00-0536	
12	Red	Decal - Danger - Electric Shock Hazards (on both sides)	2	B06-00-0482	
13	Other	Decal - Lubricate Semi - Annually	1	B06-00-0037	
14	Red	Decal - Danger - Main Instruction / Hazard - Platform	1	B06-00-0471	
15	Orange	Decal - Read / Understand Manual	1	B06-00-0475	
16	Blue	Decal - Operator Manual Missing	1	B06-00-0473	
17	Orange	Decal - Warning - Platform operation	1	B06-00-0534	
18	Other	Decal - AC Power	2	B06-00-0062	
19	Other	Decal - Air - 8.3 BAR / 120 PSI	1	B06-00-0530	
20	Other	Decal - Water - 207 BAR / 3000 PSI	1	B06-00-0531	
21	Other	Decal - Fall arrest harness	2	307P216290	
22	Red	Decal - Danger - Platform maximum load (inside the cover of the turntable and on toeboard at entrance of the platform)	3	B06-00-0474	
23	Other	Decal - Flag, Made In USA	1	B06-00-0660	
24	Blue	Decal - Notice - Handle applications	1	B06-00-0503	
25	Blue	Decal - Notice - Emergency hand pump	1	B06-00-0504	
26	Blue	Decal - Notice - Low Foam hydraulic oil	1	B06-00-0068	
27	Yellow	Decal - Caution - Manual Rotate / Retract*	1	B06-00-0541	
28	Yellow	Decal-Caution-Manual Rotate / Retract**	1	4001109210	
29	Yellow	Decal - Caution - Compartment Access	2	B06-00-0495	
30	Red	Decal - Danger - Main Instruction / Hazard - Base	1	B06-00-0505	
31	Red	Decal - Danger - Battery / Charger Safety	1	B06-00-0034	
32	Orange	Decal - Warning - Ground operation instructions - (inside of cover)	1	B06-00-0533	
33	Red	Decal - Danger - Battery / Charger Instruction	1	B06-00-0484	
34	Orange	Decal - Warning - Crush hazard	2	B06-00-0543	

Marking	Color	Description	Quantity	4527A - HTA16P
35	Yellow	Decal - Caution - Generator Plate Maximum 200	1	B06-00-0496
36	Blue	Decal - Notice - AC Power Connection	1	B06-00-0478
37	Orange	Decal - Warning - Maximum Tow Speed 65	1	B06-00-0542
38	Orange	Decal - Warning - Tow hazard 65 mph	2	B06-00-0544
39	Other	Decal - Oil level***	1	B06-00-0671
40	Other	Decal - California warning - P65	1	4001026850
41	Other	QR Code (Image: https://www.e-technical- information.com)	1	4001089310
42	Red	Decal - Danger - Cage pin (on both sides)	2	B06-00-0669
Not illustrated	Yellow	Decal-Cord wrap-Power to Charger	1	In english - 4001177260 In french - 4001188150 In spanish - 4001188590
Not illustrated	Yellow	Decal-Power to Charger - 110V/60Hz	1	In english - 4001177220 In french - 4001188160 In spanish - 4001188580
Not illustrated	Yellow	Decal-Cord wrap-Power to Platform	1	In english - 4001177230 In french - 4001188140 In spanish - 4001188600
Not illustrated	Yellow	Decal-Power to Platform - 110V/60Hz	1	In english - 4001177270 In french - 4001188130 In spanish - 4001188610

* Retract for A0025HA pump.

** For 4001158380 hydraulic pump only.

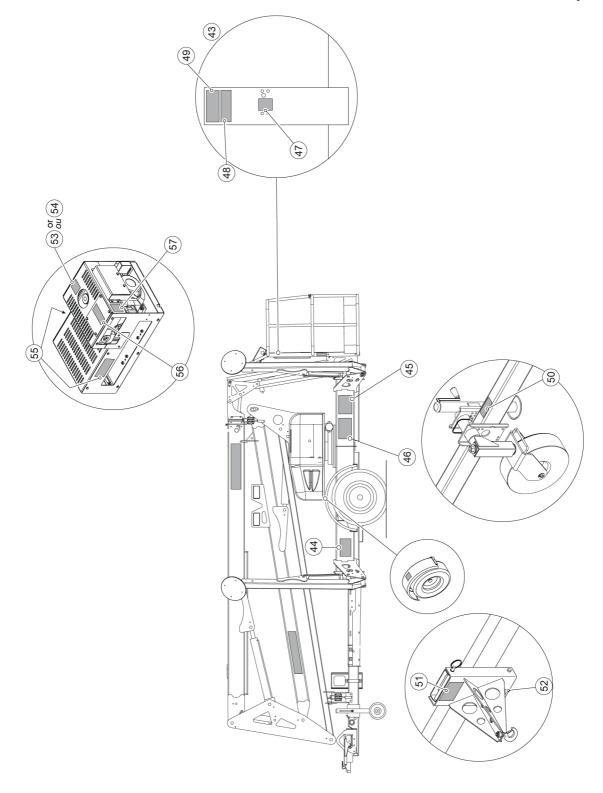
*** Fluid level for 4001158380 hydraulic pump only - No fuel level decal for A0025HA pump.

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3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

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Identification plates and optional equipment - 4001096870 A.5 - ANSI/CSA/AS - 4527A -HTA16P -Used on machines with serial numbers after 45A18-00031 only



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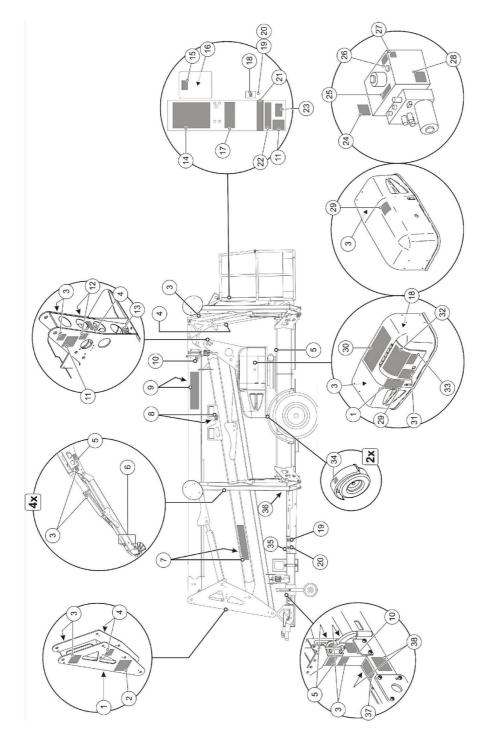
Identification plates and optional equipment - 4001096880 A.5 - ANSI/CSA/AS - 4527A -HTA16P -Used on machines with serial numbers after 45A18-00031 only

	Identification plate					
Marking	Color	Description	Quantity	4527A - HTA16P		
43	Orange	Key ring tag	1	B06-00-0526		
44	Other	Annual Inspection Plate	1	4001028200		
45	Other	VIN Plate	1	4001028230		
46	Other	ANSI ID plate	1	4001028210		

Replacement decals for optional equipment - 4001096880 A.5 - ANSI - 4527A - HTA16P -Used on machines with serial numbers after 45A18-00031 only

Marking	Color	Description	Quantity	4527A - HTA16P
47	Blue	Decal - Notice - Platform rotate (Manual rotation option)	1	B06-00-0529-CE
48	Orange	Decal - Warning - Drive and set (Drive and set option)	1	B06-00-0527
49	Blue	Decal - Notice - Drive and set (Drive and set option)	1	B06-00-0528
50	Orange	Decal - Warning - Jockey wheel (Drive and set option)	1	B06-00-0553
51	Blue	Decal - Notice - Material Lift Set-Up (Material lift option)	1	B06-00-0485
52	Blue	Decal - Notice - Material lift max 500 (Material lift option)	1	B06-00-0497
53	Blue	Decal - Notice - Unleaded fuel only (Gas engine option)	1	B06-00-0487
54	Blue	Decal - Notice - Diesel Fuel Only (Engine option)	1	B06-00-0498
55	Yellow	Decal - Caution - Compartment Access(Gas engine option)	2	B06-00-0495
56	Orange	Decal - Warning - Engine operate - Hot (Gas engine option)	1	B06-00-0547
57	Blue	Decal - Notice - Fuel Shut-Off (Gas engine option)	1	B06-00-0657

Decal placement - Decal kit - ANSI/CSA/AS - 5533A - HTA19P - Used on machines with serial numbers prior to 55A18-00007 only



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B-Familiarization

Decal placement - Decal kit - ANSI/CSA/AS - 5533A - HTA19P - Used on machines with serial numbers prior to 55A18-00007 only

Marking	Color	Description	Quantity	5533A - HTA19P
1	Orange	Decal - Warning - Unhitch To Operate	2	B06-00-0550
2	Yellow	Decal - Caution - Latch / Jack / Brake	1	B06-00-0551
3	Orange	Decal - Warning - Hand Pinch Point	16	For ANSI : B06-00-0405 For AS : B06-00-0405-CE
4	Blue	Decal - Emergency Lower Valve	6	For ANSI : B06-00-0403 For AS : B06-00-0403-CE
5	Red	Decal - Danger - Tip Over Hazard	6	B06-00-0521
6	Orange	Decal - Warning - Outrigger Crush Foot	8	For ANSI : B06-00-0404 For AS : B06-00-0404-CE
7	Other	Decal - HAULOTTE Biljax - 5 in Black / Red on clear	2	B06-00-0161B
8	Orange	Decal - Warning - Fork Lift Use	2	B06-00-0477
9	Other	Decal 5533A - HTA19P - Black clear vinyl with black letters	2	B06-00-0540
10	Other	Decal - Transport latch	1	B06-00-0481
11	Blue	Decal - Notice - Working area / Range of motion - 5533A - HTA19P	2	B06-00-0537
12	Red	Decal - Danger - Electrocution	2	For ANSI : B06-00-0482 For AS : B06-00-0482-CE
13	Other	Decal - Lubricate Semi - Annually	1	B06-00-0037
14	Red	Decal - Danger - Main Instruction / Hazard - Platform	1	B06-00-0471
15	Orange	Decal - Warning - Read / Understand Manual	1	For ANSI : B06-00-0475 For AS : B06-00-0475-CE
16	Blue	Decal - Notice - Operator Manual Missing	1	B06-00-0473
17	Orange	Decal - Warning - Platform operation	1	B06-00-0534
18	Blue	Decal - Notice - AC Power	2	For ANSI : B06-00-0062 For AS : B06-00-0062-CE
19	Other	Decal - Air - 120 PSI	2	B06-00-0530
20	Other	Decal - Water - 3000 PSI	2	B06-00-0531
21	Blue	Decal - Notice - Lanyard attachment	1	B06-00-0552
22	Blue	Decal - Notice - Platform maximum load	1	For ANSI : B06-00-0474 For AS : B06-00-0474-CE
23	Other	Decal - Flag, Made In USA	1	0202-0523
24	Blue	Decal - Notice - Handle applications	1	B06-00-0503
25	Blue	Decal - Notice - Emergency hand pump	1	B06-00-0504
26	Blue	Decal - Notice - Low Foam Hyd Oil	1	For ANSI : B06-00-0068 For AS : B06-00-0068-CE
27	Blue	Decal - Notice - Contains hazardous material	1	B06-00-0494
28	Other	Decal - Manual Rotate / Retract	1	B06-00-0541
29	Yellow	Decal - Caution - Compartment Access	2	For ANSI : B06-00-0495 For AS : B06-00-0495-CE
30	Red	Decal - Danger - Main instruction / Hazard - Base	1	B06-00-0505

Marking	Color	Description	Quantity	5533A - HTA19P
31	Red	Decal - Danger - Battery / Charger Safety	1	For ANSI : B06-00-0034 For AS : B06-00-0034-CE
32	Orange	Decal - Warning - Ground operation instructions - Articulating	2	B06-00-0533
33	Red	Decal - Danger - Battery / Charger instruction	1	B06-00-0484
34	Orange	Decal - Warning - Crush hazard	2	B06-00-0543
35	Other	Decal - Generator Plate Maximum 200	1	B06-00-0496
36	Blue	Decal - Notice - AC Power Connection	1	B06-00-0478
37	Orange	Decal - Warning - Maximum Tow Speed 65	1	B06-00-0542
38	Orange	Decal - Warning - Tow hazard 65 mph	2	B06-00-0544

B- Familiarization	
	A
Notes	B
	C
	D
	E
	F
	G
	H

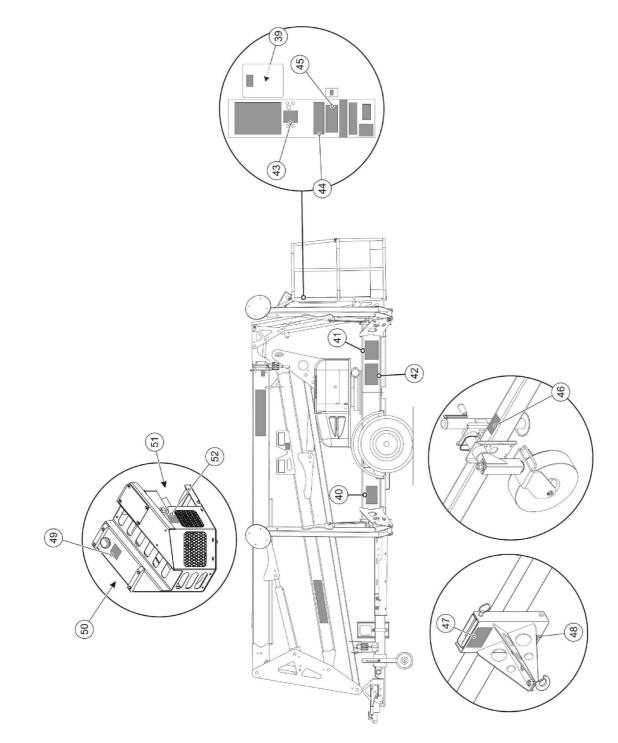
3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

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B- Familiarization

Identification plates and optional equipment - ANSI/CSA/AS - 5533A - HTA19P - Used on machines with serial numbers prior to 55A18-00007 only



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B-Familiarization

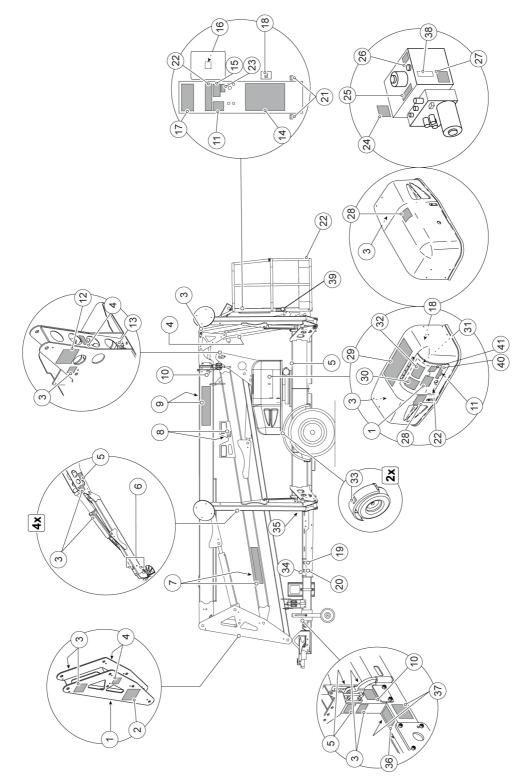
Identification plates and optional equipment - ANSI/CSA/AS - 5533A - HTA19P - Used on machines with serial numbers prior to 55A18-00007 only

Identification plate - Used on all standard equipment							
Marking	Color	Description	Quantity	5533A - HTA19P			
39	Other	Key ring tag	1	B06-00-0526			
40	Orange	Annual Inspection Plate	1	B06-00-0524			
41	Other	VIN Plate	1	B06-00-0490			
42	Other	ANSI ID Plate	1	B06-00-0499			

Replacement decals for optional equipment - ANSI/CSA/AS - 5533A - HTA19P - Used on machines with serial numbers prior to 55A18-00007 only

Marking	Color	Description	Quantity	5533A - HTA19P
43	Blue	Decal - Notice - Platform rotate - (Manual rotation option)	1	B06-00-0529
44	Orange	Decal - Warning - Drive and set - (Drive and set option)	1	B06-00-0527
45	Blue	Decal - Notice - Drive and set - (Drive and set option)	1	B06-00-0528
46	Orange	Decal - Warning - Jockey wheel - (Drive and set option)	1	B06-00-0553
47	Blue	Decal - Notice - Material Lift Set-Up - (Material lift option)	1	B06-00-0485
48	Blue	Decal - Notice - Material lift max 500 - (Material lift option)	1	B06-00-0497
49	Blue	Decal - Notice - Unleaded fuel only - (Gas engine option)	1	B06-00-0487
50	Yellow	Decal - Caution - Component damage - (Gas engine option)	1	B06-00-0488
51	Blue	Decal - Notice - Engine specifics - (Gas engine option)	1	B06-00-0486
52	Orange	Decal - Warning - Engine operate - Hot - (Gas engine option)	1	B06-00-0547

Decal placement - Decal kit - 4001097480 A.2 - ANSI/CSA/AS - 5533A - HTA19P -Used on machines with serial numbers after 55A18-00007 only



B-Familiarization

Decal placement - Decal kit - 4001097470 A.6 - ANSI/CSA/AS - 5533A - HTA19P -Used on machines with serial numbers after 55A18-00007 only

Marking	Color	Description	Quantity	5533A - HTA19P	
1	Orange	Decal - Warning - Unhitch To Operate	2	B06-00-0550	
2	Yellow	Decal - Caution - Latch / Jack / Brake	1	B06-00-0551	
3	Orange	Decal - Warning - Hand Pinch Point (on both sides)	17	B06-00-0405	
4	Blue	Decal - Emergency Lower Valve	4	B06-00-0403	1
5	Red	Decal - Danger - Tip-over Hazards	7	B06-00-0521	1
6	Orange	Decal - Warning - Outrigger Crush Foot (on both sides)	8	B06-00-0404	
7	Other	Decal - HAULOTTE®	2	B06-00-0161B	1
8	Orange	Decal - Warning - Fork Lift Use	2	B06-00-0477	1
9	Other	Decal - 5533A - HTA19P Transfer - Black	2	B06-00-0540	1
10	Yellow	Decal - Caution - Transport latch	2	B06-00-0481	1
11	Blue	Decal - Notice - Range of Motion (inside of cover)	2	B06-00-0537	
12	Red	Decal - Danger - Electric Shock Hazards (on both sides)	2	B06-00-0482	
13	Other	Decal - Lubricate Semi - Annually	1	B06-00-0037	1
14	Red	Decal - Danger - Main Instruction / Hazard - Platform	1	B06-00-0471	
15	Orange	Decal - Read / Understand Manual	1	B06-00-0475	1
16	Blue	Decal - Operator Manual Missing	1	B06-00-0473	1 F
17	Orange	Decal - Warning - Platform operation	1	B06-00-0534	1
18	Other	Decal - AC Power	2	B06-00-0062	1
19	Other	Decal - Air - 8.3 BAR / 120 PSI	1	B06-00-0530	1
20	Other	Decal - Water - 207 BAR / 3000 PSI	1	B06-00-0531	1
21	Other	Decal - Fall arrest harness	2	307P216290	1
22	Red	Decal - Danger - Platform maximum load (inside the cover of the turntable and on toeboard at entrance of the platform)	3	B06-00-0474	
23	Other	Decal - Flag, Made In USA	1	B06-00-0660	1
24	Blue	Decal - Notice - Handle applications	1	B06-00-0503	
25	Blue	Decal - Notice - Emergency hand pump	1	B06-00-0504	1
26	Blue	Decal - Notice - Low Foam hydraulic oil	1	B06-00-0068	1
27	Yellow	Decal-Caution-Manual Rotate / Retract*	1	4001109210	-
28	Yellow	Decal - Caution - Compartment Access	2	B06-00-0495	1
29	Red	Decal - Danger - Main Instruction / Hazard - Base	1	B06-00-0505	
30	Red	Decal - Danger - Battery / Charger Safety	1	B06-00-0034	1
31	Orange	Decal - Warning - Ground operation instructions - (inside of cover)	1	B06-00-0533	
32	Red	Decal - Danger - Battery / Charger Instruction	1	B06-00-0484	1
33	Orange	Decal - Warning - Crush hazard	2	B06-00-0543	1 –
34	Yellow	Decal - Caution - Generator Plate Maximum 200	1	B06-00-0496	1

B- Familiarization

Marking	Color	Description	Quantity	5533A - HTA19P
35	Blue	Decal - Notice - AC Power Connection	1	B06-00-0478
36	Orange	Decal - Warning - Maximum Tow Speed 65	1	B06-00-0542
37	Orange	Decal - Warning - Tow hazard 65 mph	2	B06-00-0544
38	Other	Decal - Oil level**	1	B06-00-0671
39	Red	Decal - Danger - Cage pin (on both sides)	2	B06-00-0669
40	Other	Decal - California warning - P65	1	4001026850
41	Other	QR Code (The https://www.e-technical- information.com)	1	4001089310
Not illustrated	Yellow	Decal-Cord wrap-Power to Charger	1	In english - 4001177260 In french - 4001188150 In spanish - 4001188590
Not illustrated	Yellow	Decal-Power to Charger - 110V/60Hz	1	In english - 4001177220 In french - 4001188160 In spanish - 4001188580
Not illustrated	Yellow	Decal-Cord wrap-Power to Platform	1	In english - 4001177230 In french - 4001188140 In spanish - 4001188600
Not illustrated	Yellow	Decal-Power to Platform - 110V/60Hz	1	In english - 4001177270 In french - 4001188130 In spanish - 4001188610

* For 4001158390 hydraulic pump only.

** Fluid level for 4001158390 hydraulic pump only.

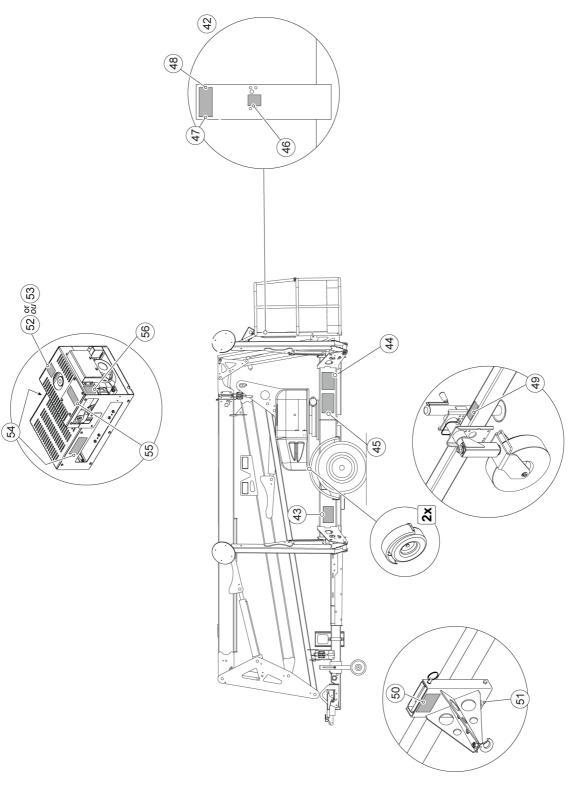
B-Familiarization	
	A
Notes	B
	C
	D
	E
	F
	G
	H

3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

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B- Familiarization

Identification plates and optional equipment - 4001097480 A.2 - ANSI/CSA/AS - 5533A -HTA19P -Used on machines with serial numbers after 55A18-00007 only



B-Familiarization

Identification plates and optional equipment - 4001097470 A.6 - ANSI/CSA/AS - 5533A -HTA19P -Used on machines with serial numbers after 55A18-00007 only

	Identification plate						
Marking	Color	Description	Quantity	5533A - HTA19P			
42	Orange	Key ring tag	1	B06-00-0526			
43	Other	Annual Inspection Plate	1	4001028200			
44	Other	VIN Plate	1	4001028230			
45	Other	ANSI ID plate	1	4001028210			

Replacement decals for optional equipment - 4001097470 A.6 - ANSI - 5533A - HTA19P -Used on machines with serial numbers after 55A18-00007 only

Marking	Color	Description	Quantity	5533A - HTA19P
46	Blue	Decal - Notice - Platform rotate (Manual rotation option)	1	B06-00-0529–CE
47	Orange	Decal - Warning - Drive and set (Drive and set option)	1	B06-00-0527
48	Blue	Decal - Notice - Drive and set (Drive and set option)	1	B06-00-0528
49	Orange	Decal - Warning - Jockey wheel (Drive and set option)	1	B06-00-0553
50	Blue	Decal - Notice - Material Lift Set-Up (Material lift option)	1	B06-00-0485
51	Blue	Decal - Notice - Material lift max 500 (Material lift option)	1	B06-00-0497
52	Blue	Decal - Notice - Unleaded fuel only (Gas engine option)	1	B06-00-0487
53	Yellow	Decal - Caution - Compartment Access(Gas engine option)	2	B06-00-0495
54	Orange	Decal - Warning - Engine operate - Hot (Gas engine option)	1	B06-00-0547
55	Blue	Decal - Notice - Fuel Shut-Off (Gas engine option)	1	B06-00-0657

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B- Familiarization





1 - Recommendations

The owner, the site manager, the supervisor and the operator are all responsible to ensure the machine is fit for the work it is to perform; i.e. that the machine is suitable to carry out the work in complete safety and in compliance with this Operator's Manual. All managers who are responsible for persons operating the machine must be familiar with the local regulations currently applicable in the country of use and ensure that they are adhered to.

Before using the machine, read the previous chapters in this manual. Ensure that you have understood the following points :

- Safety precautions.
- Operator's responsibilities.
- Conditions and the operating principles of the machine.

2 - Working area assessment

Before any operation :

- Carry out a thorough inspection of the site to identify any potential risks within the work zone.
- Take the necessary precautions to avoid collisions with other machinery within the work zone.

Ensure that :

- The weather conditions (wind, rain, etc.) allowing the machine to be used.
- The ground withstands the weight of the machine and has not been affected by the poor weather conditions.
- Check that the authorisations to work with the machine on the site in question have been obtained (.g. chemical product factories).
- Define a rescue plan for all the risks, including the risk of falls and crushing.
- ALWAYS position away from power lines, this ensures that no part of the aerial work platform accidentally reaches into an unsafe area. This includes full extension of the telescoping boom through 700 ° Non-Continuous rotation.



3 - Inspection and Functional test

3.1 - DAILY INSPECTION

Each day before the beginning of a new work session and with each change of operator, the machine must be subjected to a visual inspection and a complete functional test.



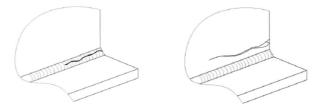
- Never use a defective or a malfunctioning aerial work platform.
- If any item on the check list is marked "No" during the inspection; machine must be tagged and placed out of service.
- Do not operate the machine until all identified items are corrected and it has been declared safe for operation.

In case of loose fasteners, refer to torque table value in maintenance book.

In case of leaks, replace the damaged part before use.

In case of structural part deformation, cracks, broken weld, paint chips, replace the part before use.

Sample of broken welds



Inspection Forms are provided to assist your inspection process.

We recommend these forms to be completed daily and stored to assist with your maintenance schedule.

Each action is depicted in the daily inspection sheet using the following symbols.

	Visual inspection without disassembly	~	Lubrication-Grease		Functional adjustments	
	Drain	\	Test and validate	5	Tighten	
.	Check levels	\$ \$\$ \$ \$	Systematic replacement			
	Visual inspection with small disassembly or movement needed to reach the part. Replacement if necessary.	(K)	Proof tests : Need HAULOTTE Services® authorization. For countries whe machines are not subject to controlled periodic maintenance.			

C- Pre-operation inspection

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	Visual inspection w	vithout disassembly	.*/		Che	ck level	
			W _		To che	eck by test	
				Yes	No	Corrected	Not applicab
Manuals and displa	ys. Clean or replace	e if necessary.					
Presence, cleanlines	s and legibility of the	manufacturer's plate					
Presence, cleanlines maintenance manua	s and legibility of ope	rator's and					
Presence and cleanl	iness of load chart of	the machine					
Control box (Groun	d and Platform)				1		1
Presence and cleanl	iness of the control bo	х					
No visible damage							
All decals at the cont	trol boxes are clean a	nd legible					
Operation of start / s	top device						
Operation of E-stop I	button device						
Operation of enable	switch						
Operation of horn fro	om platform control bo	x					
Operation of moveme	ent from platform con	trol box	\				
Test warning alarm li	ghts and buzzer						
No abnormal noise a box	and jerky movements	from platform control					
Joysticks and moven	nent switches return to	o neutral					
Work Platform. Flo	or, guardrails, acces	s and extensions					
Absence of cracks, b	oroken parts, damage	d paint					
No deterioration and	visible damage						
Harness anchor poin decal attached and le	its are not cracked or egible	damaged, with the					
No screws missing /	loose parts						
Entry bar/gate closes automatically and is not prevented from closing.			,				
Folding guard-rail (if fitted) is fixed securely in position							
Lift assembly (jib, b	ooom, mast, arm, tur	ret and all linkage co	ompone	ents)			
No cracks or rust on	welds						
Absence of cracks, broken parts, damaged paint							
No deterioration and	visible damage						
No screws missing /	loose parts						
No foreign body in jo	ints or slides						

C- Pre-operation inspection

Presence of securely fitted maintenance devices (safety stand)				
All compartments covers open and lock properly	\			
Frame, axle, steering system, stabilizers arms				
Absence of cracks, broken parts, damaged paint				
No deterioration and visible damage				
No screws missing / loose parts				
No foreign body in joints or slides	///////		 	
Condition of tires/tyres (wear, cutting, damage)				
Wheel reducer is undamaged and operates smoothly				
All compartments covers open and lock properly	//			
Rotation system : orientation turret, basket and jib				
Absence of cracks, broken parts, damaged paint				
No deterioration and visible damage				
No screws missing / loose parts				
No foreign body in joints or slides				
Exterior gear wheel greasing				
Pin, pin stop, bearing			Į	<u> </u>
Presence of the turret pin and its locking device				
No bent, cracked or broken pins, pin stops, bushes or bearings				
Pulleys, chains and wire rope			ļ	<u> </u>
No cracked or broken chains, links and fittings				
Pulleys and clamps are not worn, rusted or damaged				
Cylinder and hydraulic component : pumps, filters, manifold	4			<u></u>
No leaks on the pump, tank or fittings				
No deformation, visible damage, broken weld or leaks on hydraulic cylinder				
No screws missing / loose parts	//////			
Presence and operation of hydraulic filter (no clogged)				
Check hydraulic oil level is above the minimum level (Machine				
folded)	,			
Energy storage and motorisation: tanks, batteries and engine	ne			
Engine oil level (add in stowed position)				
Fuel level (add in stowed position)	` /			
No screws missing / loose parts				
Presence and good condition of hydraulic hose				
Presence and good condition of engine components				
Presence and good condition of the batteries: terminations and clamps, electrolyte level				
Electric cables		1	1	1

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C- Pre-operation inspection

Battery cables are firmly connected					
No torn or split wire sheaths					
No evidence of chemical damage or corrosion on all cables					
No oxidation or corrosion on terminals					
Sensors and safety device		1	1	1	
Outrigger safety interlocks operate correctly					
Slope limiting device operates properly					
Serial number :			1	1	
Hours of operation :		Model :			> [
HAULOTTE Services® contract reference :					
Intervention record number :					
Date :		Signature :			
Name :					

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C-Pre-operation inspection

3.2 - INSPECTION FORM

Inspection Form for Haulotte Aerial Work Platforms

Machine Model No.	Serial No.	
Date of Manufacture :	Inspection Performed by :	
Date of inspection :	Inspection Location :	

Inspection and Maintenance of the above listed machine shall be performed only by fully trained, authorized and, where applicable, certified personnel. All service checks shall be performed in accordance with manufacturer's recommendations (Refer to the Maintenance section of this manual). Copy this form as needed. Direct any questions to the HAULOTTE® Customer Service Department at 1-800-537-0540 or visit HAULOTTE® online at www.haulotte-usa.com.

Inspector : Initial in the space provided beside each service check as it is completed. Sign and date form after Inspection.

Owner : Keep this form for your records.

Frequency key :

D = Daily (or before each use); W = Weekly; M = Monthly; A = Annually; SA = Semi-Annually

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Service check descriptions	Frequency	Initials
Verify that all decals are legible, correctly applied, and in plain view	D	
Verify that all controls and indicators at the ground (lower) and platform (upper) control stations operate properly	D	
Verify operation of running and brake lights	D	
Verify proper tire inflation. See the side wall of the tire for proper inflation	D	
Inspect tires for damage or loose or missing lug nuts	D	
Inspect structural components for obvious damage or debris	D	
Inspect machine for loose, damaged or missing fasteners, including pins and bolts	D	
Verify that the boom down limit switches operate correctly	D	
Verify that outrigger safety interlocks operate correctly	D	
Inspect hydraulic system and fluid levels	D	
Check Battery electrolyte level	W	
Inspect electrical wiring for damaged, broken or frayed wires	W	
Inspect transport hitch for damage; if fitted	W	
Inspect boom for missing, loose or damaged hardware	W	

C-Pre-operation inspection

Machine Model No.	Serial No.			
Inspect all hydraulic system components including power unit, hoses and cylinders, for damage, leaks, loss of pressure or speed, and unusual noise or vibration	W			R
Check engine oil. Applicable for machines equipped with engines	w			
Clean all battery terminals	M			
Check battery connections	M			
Verify proper operation of manual lowering valves and hand pump	М		>	C
Lubricate all compartment hinges and latches, slew ring and mating gear using NLGI Grade 2 multi- purpose grease	М			
Check wheel nut torque	M			
Check coolant level. Applicable for machines equipped with engines	М			
Inspect the air filter. Applicable for machines equipped with engines	М			
Verify proper level sensor operation (Use outriggers to tilt machine, try to operate boom functions.)	м			
Check drive belt tension	SA			
Verify engine rpm. Applicable for machines equipped with engines	SA			
Add or replace hydraulic oil and hydraulic filter annualy, replace more frequently in dirty conditions	A			
Inspect pivot pins and cylinders, including rod ends for wear or damage	А			L
Visually inspect all welds for wear, damage or corrosion	А			
Inspect outriggers for wear or damage	A			
Inspect axle and parking brake, adjust as necessary	A			ΓH
Load test all boom functions with a 227 Kg (500 lb) load (200 Kg (440 lb) load if machine is equipped with jib/platform rotate)	А			
Check slew ring for wear or damage	A			
Replace Jib Bushings	A			
** Refer to engine operators manual for recommended	d engine mainten	ance		
Inspector signature	Date			



4 - Safety functional checks

To protect the user and the machine, safety systems prevent the movement of the machine beyond its operating limits. These safety systems when activated immobilize the machine and prevent further movement.

The operator must be familiar with this technology and understand that is not a malfunction but an indication that the machine has reached an operation limit.

Aerial Work platforms are equipped with two control boxes which allow operators to safely use the machine. Each control box is equipped with an E-Stop button, which cuts all movements when pushed in.

The following checks describe the operation of the machine and the specific controls required.

The speed selector buttons at the ground control box and the platform control box act as the enable switch.

For the location and description of these controls : refer to section B 3.2 and D 2 - Ground control box and B 3.3 and D 3 - Platform control box.

4.1 - E-STOP BUTTON CHECK

Ground control box E-stop button

Step	Action
1	Pull both E-Stop buttons (6) at ground box and (5) at platform box.
2	Turning the KEY SWITCH (1) counter clockwise to the GROUND (1a) icon selects operation from the ground (lower) control box.
3	Start a cold engine by pressing (pushing) in and holding the CHOKE (4) button then press (push) the ENGINE START (3) button. To start / restart a warm engine, press (push) the ENGINE START (3) button only.
4	Push the E-stop button (6).
5	Check that the engine stops running.
6	No movements are functional.

Platform control box E-stop button

Step	Action
1	Pull out the E-Stop button (6) at ground box.
2	Turning the KEY SWITCH (1), clockwise to the PLATFORM (1b) icon selects operation from the platform (upper) control box.
3	Pull out the E-Stop button (5) at platform box.
4	Start a cold engine by pressing (pushing) in and holding the CHOKE (2) button then press (push) the ENGINE START (1) button. To start / restart a warm engine, press (push) the ENGINE START (1) button only.
5	Push in E-Stop button (5) at platform.
6	Check that the engine stops running.
7	No movements are functional.

F

C- Pre-operation inspection

4.2 - ACTIVATION OF CONTROLS

The speed/enable button at ground control box (15) and platform control box (6) must be actived to allow any movement.

4.3 - FAULT DETECTOR

The machine is equipped with an on-board fault detection system, which indicates the type of fault to the operator.

The fault is identified by a default code.

The default code is displayed at the ground control box.

According to the type of fault, the machine MAY switch into DOWNONLY mode and certain movements are prevented to maintain Operator's safety.

Do not use the machine until the fault has been corrected.

4.3.1 - Indicators/LED's test

From the ground control box

Step	Action
1	Pull both the E-Stop buttons (5) at platform box and (6) at ground box.
2	Set the key switch (1) at ground box to the (1a) position.
3	Check that the indicators (2), (20), (27) and the display (5) are lit.
4	Check that the indicators turn off in few seconds.

From the platform control box

Step	Action
1	Pull both the E-Stop buttons (5) at platform box and (6) at ground box.
2	Set the key switch (1) at ground box to the (1b) position.
3	Check that the battery indicators light up and flash.
4	Check that the indicators turn off in few seconds.

4.4 - AUTOMATIC ENGINE CUT-OUT

The engine automatically cuts out in the following conditions :

- The alternator is not functioning.
- Engine temperature is too high.
- Oil pressure is too low.
- The E-stop(s) is (are) pushed in.
- The machine is switched off.

C-Pre-operation inspection

4.5 - OUTRIGGERS

Verify that outrigger safety interlocks operate correctly :

- Begin with the outriggers fully extended and the aerial work platform leveled. Raise one outrigger until the footpad is not in contact with the ground.
- Verify that boom functions are unresponsive when one outrigger is raised.
- Repeat this procedure for each outrigger.
- Raise all outriggers until the footpads are not in contact with the ground. Verify that all outriggers status LEDs on the ground (lower) control box are unlit.
- Lower one outrigger until the footpad makes contact with the ground and the outrigger begins lifting the trailer.
- If the LED is lit before the footpad makes contact with the ground or if the LED remains unlit after the weight is transferred to the outrigger, the position switch or wiring is faulty.
- Repeat this procedure for each outrigger.



The movement of the boom or the platform should only be possible when all 4 outriggers are configured with LEDs on. If movement occurs when one or more outriggers are raised then stop use of the machine and repair the fault.

1 - Operation

1.1 - INTRODUCTION

- The HAULOTTE® Model 3522A HTA13P 4527A HTA16P 5533A HTA19P Articulating Boom Lift is a Summit Series TM trailer mounted aerial work platform, designed and manufactured with the intent to position people with the necessary tools and material to overhead elevated temporary work places. The platform load capacity is rated at 227 kg (500 lb). During all aerial work platform operations, four extended outriggers support the unit.
- The aerial work platform is battery powered and operated with electronic pushbutton controls, a hydraulic power unit, a hydraulic gear motor and hydraulic cylinders. The hydraulic power unit includes a reservoir, pump and control valves. Hydraulic cylinders elevate and extend the telescoping boom and maintain the platform leveling during operation. The hydraulic motor and mating worm gear allow the telescoping boom to rotate 700° Non-Continuous around a vertical axis.
- The hydraulic power unit uses a 24-Volt DC motor to drive the hydraulic pump.
- The DC motor is powered by four 6-Volt DC, 245 Amp-hr deep charge batteries connected in series.
- An automatic onboard battery charger is provided for recharging the batteries at the end of each work period.
- The ground (lower) control box controls the power, outriggers, boom lift elevation, and rotation functions.
- The platform (upper) control panel only controls the boom lift elevation and rotation.

N.B.-:-THE ELEVATION AND ROTATION CONTROLS ARE OPERATIONAL ONLY WHEN THE OUTRIGGERS ARE CORRECTLY EXTENDED AND THE EXTENSION BOOM IS WITHIN A PROGRAMMED SAFE OPERATING ZONE.

- The ground (lower) control box includes a lighted text window that displays the current operating status or an existing error condition.
- Safety devices prevent the boom from retracting suddenly in the event of a hydraulic hose or system failure. It is strongly recommended that no one adjust or tamper with these safety devices. If service is required, contact the Customer Service Department: at 1-800-537-0540 or visit HAULOTTE® online at www.haulotte-usa.com.
- In the event of power loss, control system failure or other malfunction, boom lowering functions may be accomplished manually.
- To manually operate boom retraction, and turntable rotation functions, use the hand pump, and "motion selection" valve on the hydraulic pump unit that can be accessed inside the pump compartment.
- Manual lowering of the boom and platform may also be performed by actuating the valve plunger found on the base of each boom lift cylinder. Pushing in and holding the valve "button" on the appropriate cylinder retracts that cylinder, thereby retracting that part of the boom. The boom may need to be rotated to a clear area before lowering.

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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.
- Position the aerial work platform at the work area. Make sure the aerial work platform is on a firm and level surface and there are no potential hazards such as overhead obstructions or electrically charged conductors. Do Not operate the aerial work platform if such hazards exist.
- Apply the aerial work platform parking brake or chock the wheels.
- Lower the TONGUE JACK / DOLLY WHEEL and unhitch the aerial work platform from tow vehicle.



Failing to unhitch the aerial work platform before operation may lead to damage to equipment or tow vehicle and makes the aerial work platform unstable; this could result in death or serious injury.

• Release both boom travel latches, (1) the primary latch on the Boom Rest, and (2) the secondary latch on the Primary Boom, by raising the latch handle and swinging the clasp down.



Boom Travel Latches

D-Operation instructions

1.2 - OPERATION FROM THE GROUND CONTROL BOX

Refer to **Section B 3.2** - Ground control box.

- Turning "ON" and "OFF" of the machine is performed with the Control box activation key switch (1).
- Activation of a desired control box is achieved by turning the Control box activation key switch (1) to the desired position (1a) (1b).
- The ground control box is energized and is active ONLY when :
 - The E-stop buttons on both ground and platform control boxes are not pressed in (Deactivated).
 - To switch ON the machine, turn the Control box activation key switch (1) at the ground control box on ground control box position (1a).
- An E-Stop button at each control box stops all movements when pressed in; including shutting off an engine (if equipped).

N.B.-:-DO NOT TURN OFF THE POWER SUPPLY OF THE MACHINE USING THE **E**-STOP BUTTON(**U**SE **ONLY** IN CASE OF EMERGENCY). TURN **OFF** THE POWER SUPPLY OF THE MACHINE USING THE

CONTROL BOX ACTIVATION KEY SWITCH (1) AT GROUND CONTROL BOX TO POSITION.

- All switches operating a movement, return automatically to neutral when released.
- At power up, all switches must be in their neutral position.
- The status of the controls is tested automatically when the machine is switched on. A control will be active only after it has been detected to be in neutral position.
- A control (3) provides the start and stop of the engine.
- A buzzer beeps in the following conditions :
 - When power is switched on.
 - Overload (if fitted).
- Indicators : Indicators (2), (20), and (27) are checked when the machine is powered on.
- Display panel : All indicators (5) are checked when the machine is powered on.

1.3 - OPERATION FROM THE PLATFORM CONTROL BOX

Refer to **Section B 3.3** - Platform control box.

- The platform control box is energized only when :
 - The E-stop buttons on both ground and platform control boxes are not pressed in.
 - To switch ON the machine, turn the Control box activation key selector (1) at the ground control box on ground control box position (1b).
- An E-Stop button at each control box stops all movements when pressed in; including shutting off an engine (if equipped).

N.B.-:-DO NOT TURN OFF THE POWER SUPPLY OF THE MACHINE USING THE **E**-STOP BUTTON(**U**SE **ONLY** IN CASE OF EMERGENCY). TURN OFF THE POWER SUPPLY OF THE MACHINE USING THE

CONTROL BOX ACTIVATION KEY SWITCH (1) TO POSITION.

- All switches operating a movement, return automatically to neutral when released.
- At power up, all switches must be in their neutral position.
- The status of the switches is tested automatically when the machine is switched on and checked at every starting. A switch will be activated only after it has been detected in neutral position.
- A buzzer beeps in the following conditions :
 - When power is switched on.
 - When platform is overloaded (if fitted).
 - When machine is on a slope greater than the rated slope.
- Emergency pump. (**Section** D 5.1 In case of engine power failure)
- Indicators All indicators are checked after powering on the machine.



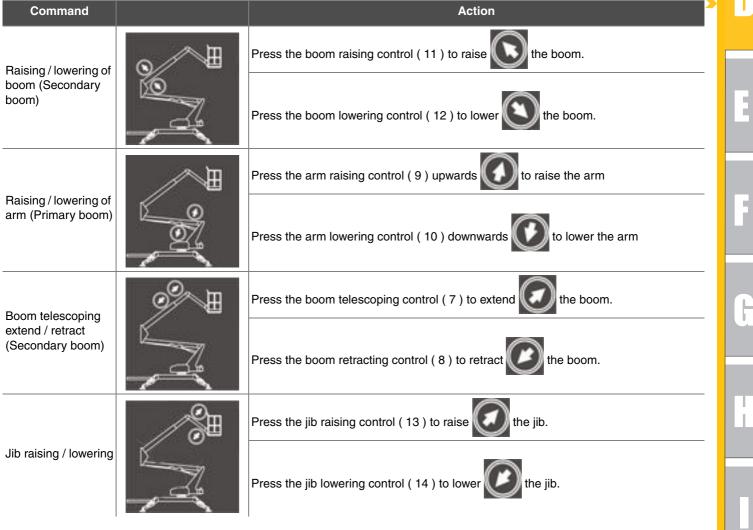
2 - Ground control box

2.1 - BOOM AND ARM CONTROLS

Refer to **Section B 3.2** - Ground control box.

Ground box controls (emergency station) :

 Must press (push) in and hold a desired SPEED/ ENABLE button (15) simultaneously with desired control button



Command	Action
Turntable rotation	Press the turntable rotation control (18) for a clockwise rotation
	Press the turntable rotation control (19) for an counterclockwise rotation
Platform leveling	Press the platform leveling control (16) to raise the platform
	Press the platform leveling control (17) to lower the platform

3 - Platform control box

3.1 - TO START AND STOP THE MACHINE

Refer to Section B 3.3 - Platform control box.

To start the machine :

At the ground control box :

- Check that the E-stop button (6) is not pressed in.
- Turn the control box key selector (1) on position (1b) to energize the machine and activate the platform control box.

At the platform control box :

- Check that the E-stop button (5) is not pressed in.
- Start a cold engine by pressing (pushing) in and holding the CHOKE (2) button then press (push) the ENGINE START (1) button.
- To start / restart a warm engine, press (push) the ENGINE START (1) button only.
- Allow the engine to heat up and initialize.

To stop the machine :

- Push in the E-STOP (5) button at platform control box. The machine will stop running.
- Turn OFF the power supply of the machine using the Control box activation key switch (1)

at ground control box to position.

3.2 - PLATFORM BOX CONTROLS (PRIMARY STATION)

Refer to **Section B 3.3** - Platform control box.

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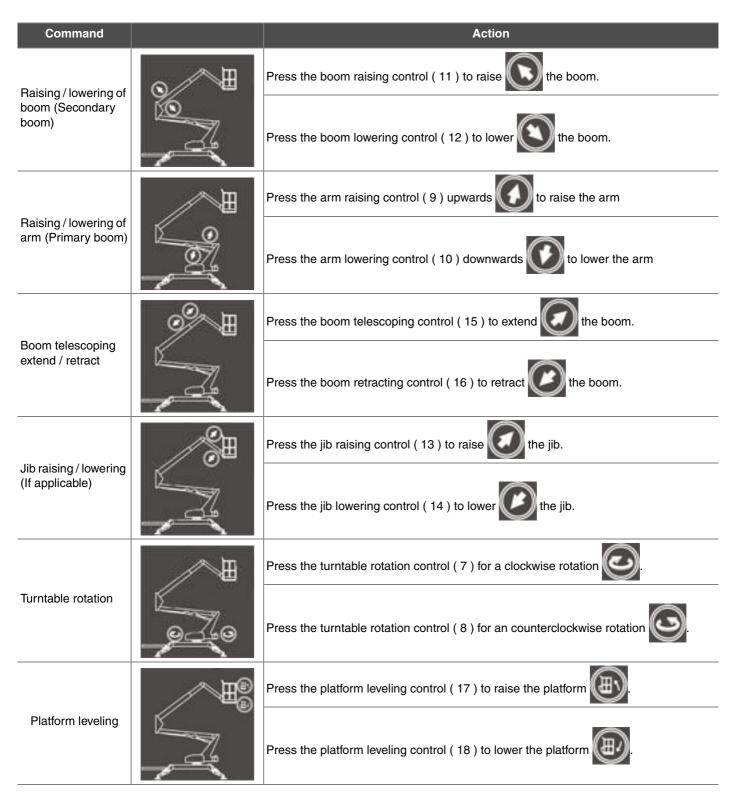
Platform box controls (driving station) :

• Must press (push) in and hold a desired SPEED/ ENABLE button (6) simultaneously with desired control button.



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3.3 - ADDITIONAL CONTROLS

- Horn : Pressing (pushing) the HORN button (3) will sound the HORN.
- Use the horn button to warn personnel in the area of a falling object hazard, impending boom motions or the need for assistance.

D- Operation instructions

4 - Outriggers extension

Become familiar with the location and function of all controls. Learn to smoothly START and STOP all boom motions.

- At the ground (lower) control box, turn the KEY SWITCH (1) counter clockwise to the GROUND CONTROLS (1a) icon. If power does not come on, make sure that both of the EMERGENCY STOP buttons; GROUND (6), and PLATFORM (5), are pulled out and the main power disconnect plug is plugged in.
- The control microprocessor will perform self-diagnostics to test the operating system. After several seconds, the DISPLAY PANEL window will read : HAULOTTE GROUP ACCESS SOLUTIONS.
- Monitor the battery condition indicator during operation and charge the batteries as necessary.
- Extend the 4 outriggers individually, or for simultaneous extension use the AUTO LEVEL (23) button and the EXTEND (21) botton on the ground (lower) control box.
- LED (25)-Outrigger switch indicator :
 - ON-No outrigger contact with the ground.
 - OFF-Outrigger contact with the ground.
- LED (26)-Machine state of level :
 - Each of the inner outrigger LEDs (26), when flashing, indicates that side is low, and needs to be further raised for leveling.
- When the aerial work platform is leveled properly, a buzzer will sound, the 2 LEDs at each OUTRIGGER (25) and (26) button, and the LED at the AUTO LEVEL (23) button will be lit.

Auto level :

• Press (push) and hold the EXTEND (21) and AUTO LEVEL (23) buttons at the same time.

Manual Level :

• Extend the two outriggers closest to the trailer coupler first. Lower the front pair of outriggers by pressing (pushing) the EXTEND (21) button and the two front OUTRIGGER buttons at the same time. Lower the back pair of outriggers by pressing (pushing) the EXTEND (21) button and the two back OUTRIGGER buttons at the same time.

25 26 26 25 OUTRIGGER CONTROLS HOLD DOWN EXTEND OR RETRACT BUTTON WHILE SELECTING INDIVIDUAL OUTRIGGER BUTTONS OR THE AUTO LEVEL BUTTON ALL OUTRIGGER LIGHTS MUST BE ON BEFORE PLATFORM CAN BE RAISED. RETRACT 22 TEND 20 FULLY LOWER PLATFORM INTO THE STOWED PLATFORM UNTO THE STOWED PLATFOR OUTRIGGER OPERATION WHEN FLASHING. 21 25 26 23 26 24 25

Outrigger Control Panel

• Verify that the AUTO LEVEL (23) indicator LED is lit. If the AUTO LEVEL (23) indicator is not lit, the aerial work platform may not be level, and the weight of the machine may not be on the outrigger foot pad.

N.B.-:-IF THE BOOM IS NOT LEVEL OR IF ONE OR MORE OUTRIGGERS ARE NOT SUPPORTING THE MACHINES LOAD THE SAFETY INTERLOCK SYSTEM PREVENTS ALL BOOM OPERATIONS.

N.B.-:-THE RANGE OF MOTION DIAGRAMS AT THE GROUND (LOWER) AND PLATFORM (UPPER) CONTROL STATIONS DISPLAYS THE RANGE OF PLATFORM MOTION (SAFE OPERATING ZONE) FACING AWAY FROM THE TRAILER TONGUE. VERIFY THAT THE OPERATING ZONE IS CLEAR OF OBSTRUCTIONS THROUGH 700° OF NON-CONTINUOUS ROTATION.

- Use the ground (lower) control box to operate the boom lift functions. Raise, lower, extend and rotate the booms by pressing (pushing) and holding the desired SPEED (6) and function buttons at the same time.
- Fully lower the boom onto the boom rest to enter the platform.
- Raise the safety bar and enter the work platform by using a 3 point contact (both hands and one foot). Put on a safety harness and attach the lanyard to the ANCHORAGE (attachment point) on the side of the platform support beam.
- Should the platform become tilted out of the normal vertical axis, press (push) and hold the desired SPEED button (6) and one of the PLATFORM TILT buttons (16) or (17) at the same time, to level the platform back into the normal vertical axis.
- Use the platform (upper) control box to operate the boom lift functions. Raise, lower, extend and rotate the booms by pressing (pushing) and holding the desired SPEED (6) and function buttons at the same time. Become familiar with the location and function of all controls. Learn to smoothly START and STOP all boom functions.

E 12.22

• When all aerial work platform operations are complete, fully retract all boom extension(s). Center the boom over the boom rest and fully lower the boom until seated in the "stowed" position for transport.

N.B.-:-ALWAYS FULLY RETRACT, ROTATE AND LOWER THE BOOM TO THE "STOWED" POSITION BEFORE EXITING THE PLATFORM.

- Turn the key switch to the GROUND CONTROL (1a) position.
- Unfasten the safety harness and exit the platform by using a 3 point contact (both hands and one foot).
- Engage both travel latches.

N.B.-:-REFER BACK TO EARLIER IN THIS SECTION TO THE IMAGE OF BOOM TRAVEL LATCHES FOR A VISUAL OF THESE LATCHES.

• Inspect the area beneath the aerial work platform and trailer for obstructions before retracting outriggers. Press (push) and hold the outrigger RETRACT (22) button and the AUTO LEVEL (23) button until all outriggers are fully retracted to their "stowed" (upright) positions.

N.B.-:-SAFETY SWITCHES PREVENT OUTRIGGER RETRACTION UNTIL THE BOOM IS COMPLETELY LOWERED AND IN THE "STOWED" POSITION.

• At the ground (lower) control box turn the KEY SWITCH (1) to the vertical (power "OFF") position, and remove the key.

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5 - Rescue and emergency procedures

5.1 - IN CASE OF POWER LOSS

In the event of power loss, control system failure or other malfunction, boom lowering functions may be accomplished manually.

To manually operate boom retraction, and turntable rotation functions, use the hand pump, and "motion selection" valve on the hydraulic pump unit that can be accessed inside the pump compartment.

Manual lowering of the boom and platform may also be performed by actuating the valve plunger found on the base of each boom lift cylinder. Pushing in and holding the valve "button" on the appropriate cylinder retracts that cylinder, thereby retracting that part of the boom. The boom may need to be rotated to a clear area before lowering.

In an emergency, if the operator has to exit the platform while it is elevated, the transfer of the operator must respect the following recommendations :

- Exit onto a sturdy and safe structure.
- Allowance must be made for the possibility of boom deflection when egressing from the platform.
- The occupant(s) must ensure that 2 lanyards are used for security/safety. One must be attached to the designated anchorage point on platform the occupant(s) is in and the other attached to the structure intended to get on.
- Do not leave platform without taking into account the allowance for possibility of boom deflection when exiting platform.
- Occupant(s) must exit the current platform through the normal access.

N.B.-:-DO NOT DETACH THE LANYARD FROM THE CURRENT PLATFORM IF THE TRANSFER TO THE NEW STRUCTURE POSES ANY DANGER OR UNTIL THE TRANSFER IS SAFELY COMPLETED. DO NOT ATTEMPT TO CLIMB DOWN THE BOOM. INSTEAD WAIT FOR ASSISTANCE FOR A SAFE EXIT.

5.1.1 - Manual Boom Operation

Manual retraction, rotation and lowering functions allow the booms to be moved and lowered during hydraulic power interruption or failure.

The following procedures for manual retraction, rotation and lowering require a person on the ground to operate the manual controls and hand pump.

The hydraulic hand pump is located in the pump compartment. In case of a power failure, the hand pump and selected hydraulic valve can be used to manually retract the booms or rotate the boom turntable.

To begin manual retraction or rotation, turn the proportional valve counterclockwise until it stops, and insert pump handle into the pump handle fitting.

Manual lowering of the boom and platform may also be performed by actuating the valve plunger found on the base of each boom lift cylinder.

Pushing in and holding the valve "button" on the appropriate cylinder retracts that cylinder, thereby retracting that part of the boom.

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D- Operation instructions

5.1.1.1 - Manual retraction

Begin manual retraction or rotation, by turning the proportional valve counterclockwise until it stops; insert the pump handle into the pump handle fitting. Pushing and holding the RETRACT button (1) while simultaneously actuating the HAND PUMP (2) will retract the secondary boom.

5.1.1.2 - Manual rotation

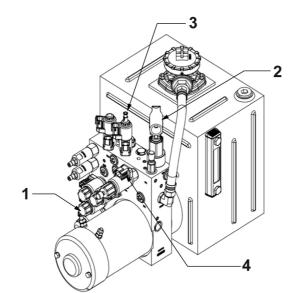
To rotate the TURNTABLE counterclockwise (CCW) :

- Push and hold the ROTATION button (3) IN.
- Simultaneously actuate the HAND PUMP (2).

To rotate the TURNTABLE clockwise (CW) :

- Pull the ROTATION button (3) OUT.
- Simultaneously actuate the HAND PUMP (2).

N.B.-:-TURN THE **PROPORTIONAL VALVE (4)** CLOCKWISE TO RETURN IT TO ITS ORIGINAL POSITION BEFORE LOWERING THE BOOMS OR RESUMING NORMAL OPERATION.



Hand Pump Controls for Manual Operation

5.1.1.3 - Manual Boom Lowering Procedure

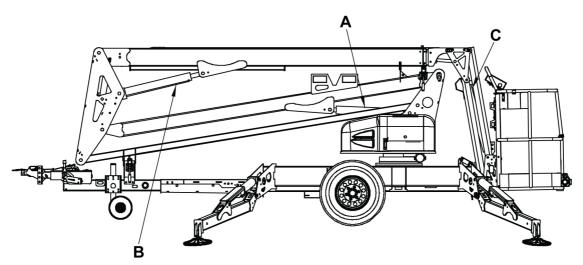
Each lift cylinder is equipped with a MANUAL LOWERING VALVE (1), found at the base of each lift cylinder. Use the VALVE (1) to lower the platform in case of a complete electrical power failure, a load shift, or any other emergency.

It is recommended that the booms be lowered in the following sequence. The booms may be lowered in any order, but the logical order would be :

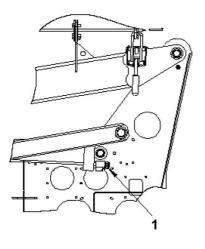
- The PRIMARY boom (A) first.
- The SECONDARY boom (B) next.
- The JIB boom (C) last.

To lower the boom, push in on the MANUAL LOWERING VALVE button (1) on the cylinder that controls the boom that is to be lowered. Follow this procedure until the boom is completely lowered.

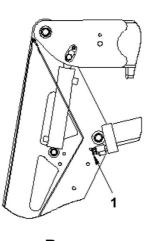
Location of Lift Cylinders for Manual Boom Lowering

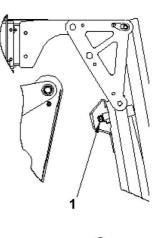


Location of manual lowering valves



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D-Operation instructions

5.2 - TO RESCUE OPERATOR IN PLATFORM

In a situation where an operator located in the platform needs to be rescued (for example in case of illness, injury or trapped against a structure making the control box inaccessible), the rescue personel at ground level needs to obtain rapid and direct access to operating functions.

HAULOTTE® has implemented a control system for safely lowering the operator to the ground in the event of an emergency to enable him to receive the neccessary treatment.



The system allows occupant(s) to be lowered to the ground level, even if an overload is detected.

Procedure :

- Turning the KEY SWITCH (1), counter clockwise to the TURRET (1a) icon selects operation from the lower control box.
- The platform box controls are now de-energized.
- Check that the E-Stop button (6) at ground is not pressed in.
- To lower the platform, push and hold the push buttons corresponding to the desired movements.

5.3 - NO POWER AVAILABLE

- In the event of power loss, control system failure or other malfunction, boom lowering functions may be accomplished manually.
- To manually operate boom retraction, and turntable rotation functions, use the hand pump, and "motion selection" valve on the hydraulic pump unit that can be accessed inside the pump compartment.
- Manual lowering of the boom and platform may also be performed by actuating the valve plunger found on the base of each boom lift cylinder. Pushing in and holding the valve "button" on the appropriate cylinder retracts that cylinder, thereby retracting that part of the boom. The boom may need to be rotated to a clear area before lowering.

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.

6 - Transportation

6.1 - PUTTING IN TRANSPORT POSITION

- Completely retract and lower all booms into the stowed position.
- Secure both boom travel latches (A).
- Remove all loose materials from machine.
- All on-board equipment is secured.
- Retract all outriggers cylinders to fully stowed (upright) position.
- The TONGUE JACK / DOLLY WHEEL and outriggers are in their travel positions. The TONGUE JACK / DOLLY WHEEL is rotated up so that the TONGUE JACK / DOLLY WHEEL assembly is parallel with the tongue tube; the outrigger cylinders are fully retracted.
- The key switch is in the OFF position. Remove the key.
- The trailer tires are adequately and evenly inflated. See the side wall of the tire for proper inflation.

6.1.1 - Machine layout

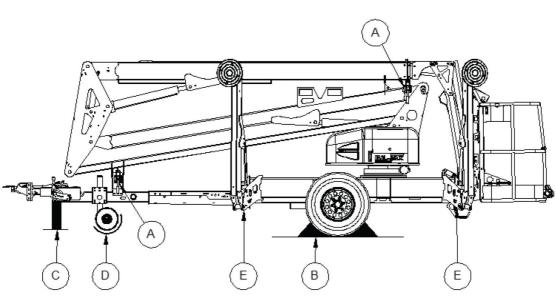
Machine layout

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D-Operation instructions

6.1.2 - Transporting on to a truck bed

- Verify that the truck or trailer is parked on a firm and level surface.
- Completely retract and lower all booms into the stowed position.
- Secure both BOOM TRAVEL LATCHES (A).
- Retract all OUTRIGGER CYLINDERS to the fully stowed (upright) position.
- Prior to transport, move the fuel shut-off lever to the left position(lever is located on the engine below the choke lever). Failure to close the fuel shut-off valve before transporting boom may result in engine damage. (For gas model only)
- Load boom onto the truck bed or trailer.
- Chock the wheels (B) and apply the PARKING BRAKE.
- Place a wooden block (C) under the TONGUE, near the TRAILER HITCH.
- Lower the TONGUE JACK / DOLLY WHEEL (D) until the TRAILER TONGUE rests on the wooden block. Swing up and lock the TONGUE JACK/DOLLY WHEEL (D) so that the weight of the TONGUE now rests on the wooden block.
- Secure the aerial work platform to the trailer bed using straps or chains. Use only the four attachment points (E) beneath the machine, adjacent to the outriggers.
- Adjust as necessary to prevent damage to rigging equipment or machine.



Transport the Aerial Work Platform

6.1.3 - Unloading

- Before unloading, check that the machine is in good condition.
- Remove the ties or chains.
- Remove the wedges from the wheels (${\sf B}$ ${\sf C}$).
- Release the both BOOM TRAVEL LATCHES (A).

6.2 - TOWING

The aerial work platform trailer includes a single axle, 5,08 cm (2 inch) ball hitch, hydraulic surge brakes, mechanical parking brake, safety chains, brake lights and side marker lights. Proper aerial work platform transport requires the proper attachment and inspection of these components before towing.

Verify the following before towing the aerial work platform. Make adjustments as necessary. :

- The TONGUE JACK / DOLLY WHEEL and outriggers are in their travel positions. The TONGUE JACK / DOLLY WHEEL is rotated up so that the TONGUE JACK / DOLLY WHEEL assembly is parallel with the tongue tube; the outrigger cylinders are fully retracted.
- Boom travel latches are engaged, securing the telescoping booms in their fully "stowed" positions.
- All on-board equipment is secured.
- The key switch is in the OFF position. Remove the key.
- Prior to towing, move the fuel shut-off lever to the left position(lever is located on the engine below the choke lever). Failure to close the fuel shut-off valve before towing boom may result in engine damage. (For gas model only.)
- The parking brake is disengaged. When the parking brake is engaged, it is parallel with the tongue tube; when disengaged, it is perpendicular to the tongue.
- The trailer tires are adequately and evenly inflated. See the side wall of the tire for proper inflation.

Periodically check the Wheel Nut torque according to manufacturer's recommendations. Refer to the Monthly Service check section, in the Equipment Maintenance section of the manual.

NEVER tow an aerial work platform with worn or damaged wheel components.



Prior to towing, while the trailer wheels are elevated for aerial work platform operation, inspect for loose wheels and for wheel lug wear. If a loose wheel mounting is suspected, remove and inspect wheel lugs for damage.



Obtain, read and obey all recommendations set forth by the tow vehicle manufacturer before attempting to transport aerial work platformVerify that aerial work platform weight does not exceed the vehicle's towing capacity. Exceeding the tow vehicle's rated capacity may result in damage to tow vehicle or aerial work platform.

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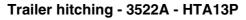
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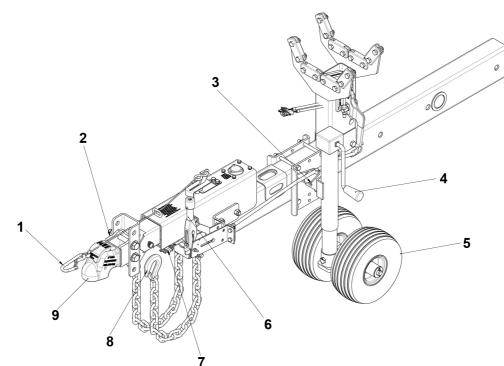
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D- Operation instructions

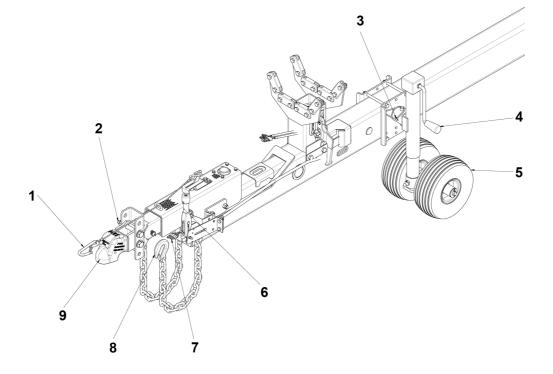
6.2.1 - Procedure to hitch and tow

Back the tow vehicle to the trailer. Verify that the ball and TRAILER HITCH (9) are aligned and that the TRAILER HITCH (9) has proper clearance above the ball.





Trailer hitching - 4527A - HTA16P - 5533A - HTA19P



E 12.22

- Lift the RELEASE LEVER (2) on the TRAILER HITCH (9) and lower the hitch onto the ball using the TONGUE JACK (4) / DOLLY WHEEL (5). Push down on the RELEASE LEVER (2) to secure the ball.
- Use the TONGUE JACK (4) / DOLLY WHEEL (5) to verify that the coupling is secure.

N.B.-:-IF USING THE JACK RAISES THE BUMPER OF THE TOW VEHICLE 5,08 - 7,62 CM (2 - 3 IN), THE BALL HITCH COUPLING IS SECURE.

- Release the PARKING BRAKE (6) by rotating the handle down until it is parallel with the tongue tube.
- On the TONGUE JACK (4) / DOLLY WHEEL (5), pull the CLEVIS PIN (3) and swivel the TONGUE JACK / DOLLY WHEEL (4) / (5) to the travel position. Re-engage the CLEVIS PIN (3).
- Attach the safety chains (8) to the tow vehicle. Verify that the chains cross under the trailer tongue.

Failure to attach safety chains properly before towing will allow trailer tongue to drop in case of ball hitch failure, resulting in damage to tow vehicle and aerial work platform.

- For models with the breakaway cable (1); connect it to the tow vehicle.
- Connect the trailer lights (7) to the tow vehicle power plug.



Before towing the machine, perform a visual check on the welds of the tongue tube. Refer to Section C 3.2Inspection Form. Do not proceed with towing if there is evidence of cracks in or near the weld.



Tow machine over paved or well-maintained dirt roads at reasonable speeds based on road conditions. Bumpy or unpaved roads can cause damage to machine structure and components.

D- Operation instructions

6.3 - STORAGE

Machine must be parked in a protected/designated area with the boom in a stowed configuration, however the boom can be raised but must not be extended. Make sure there is no load in the platform.

It is recommended that the machine is not stored or immobilized unfolded.

Storage preparation :

If trailer has to been stored for an extended period of time or over the winter, it is important that the trailer be prepared properly.

Ensure all access panels, doors and side compartment covers are shut and secured.

Turn OFF the power supply of the machine using the control box key switch (1) at ground

control to p



Remove the activation key switch to prevent unauthorized operation of the machine.

Remove the emergency breakaway battery and store inside, out of the weather. Charge the battery at lease every 90 days.

Jack up the trailer and place jack stands under the trailer frame so that the weight will be off the tires.

DO NOT lift or support the trailer on any part of the axle or suspension system. NEVER go under any trailer unless it is properly supported on jack stands which have been rated for the load. Improperly supported vehicles can fall unexpectedly and can cause serious injury or death.

Lubricate mechanical moving parts such as the hitch, and suspension parts, that are exposed to the weather.

The machine can be stored in a designated area when not in use.



Storing of the machine with an obstacle under the boom structure is forbidden.



To avoid any risk of corrosion on rods of cylinders during a storage period of more than 1 month :

- In a normal atmospheric environment : perform a complete cycle for the cylinders every 2 months while they are in storage.
- In harsh environments (high levels of salinity in the atmosphere: close to the sea, industrial environment with chloride emissions and/or humidity > 70%), we recommend applying the following protection process :
- Wash and rinse the entire machine with plenty of clean water.
- Dry all the cylinder rods using an air gun.
- Apply a solvent-based oil leaving an oily film after evaporation of the solvent directly to all rods left exposed when the machine is in storage position.
- Re-apply the product every month.



After washing the machine, make sure it is fully air-dry and does not contain moisture on corrosive parts (cylinders rods for example).

D-Operation instructions

Machine that has been out of service for more than 3 months must undergo a periodic inspection before the machine is put back into service.

Maintenance must be carried out by a competent company or person familiar with mechanical procedures.

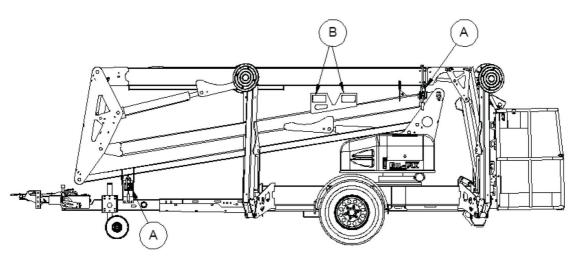
Maintenance operations performed must be recorded in a register / log book of the machine.

6.4 - LIFTING OPERATION

- Completely retract and lower all booms into the stowed position.
- Secure both boom travel latches (A).
- Remove all loose materials from machine.
- Retract all outriggers cylinders to fully stowed (upright) position.
- When using a crane :
 - Use only the designated crane (fork lift) pockets (B).
 - Follow all crane operating instructions as indicated by the crane manufacturer.
 - Adjust rigging to keep the machine level and to minimize the risk of damage to machine.
- When using a forklift :
 - Use only the designated forklift pockets (B).
 - Follow all forklift operating instructions as indicated by the forklift manufacturer.
- Adjust rigging to keep the machine level and to minimize the risk of damage to machine.

N.B.-:-ONLY TRAINED AND AUTHORIZED PERSONNEL SHOULD ATTEMPT TO LIFT THE AERIAL WORK PLATFORM USING EITHER A CRANE OR FORKLIFT.

Lifting the Aerial Work Platform



D- Operation instructions

7 - Cold Weather Recommendations

In cold weather conditions, allow engine to run for at least 5 min to warm up ; before operating any function thereby preventing any damage to the hydraulic system.

In extreme cold conditions, machines should be equipped with optional cold start kits.

Attempting to start engine when temperature is in the negative range, may require the use of a booster battery.

If engine fails to start, do not crank for an extended time. Allow starter to "cool off" for a few minutes before attempting again. If engine fails after several attempts, refer to the engine maintenance manual.

N.B.-:-INITIAL STARTING SHOULD ALWAYS BE PERFORMED FROM THE GROUND CONTROL BOX.

7.1 - ENGINE OIL

The correct SAE viscosity grade of oil is determined by the minimum ambient temperature during cold engine start-up, and the maximum ambient temperature during engine operation. Generally, use the highest viscosity oil that is available to meet the requirement for the temperature at start-up.

Engine oil viscosity			
Viscosity index	Ambient te	mperature	
	Minimum	Maximum	
SAE 15W40	-20°C (-4°F)	40°C (104°F)	
SAE 5W30GTI	-40°C (-40°F)	30°C (86°F)	

N.B.-:-FOR ADDITIONAL ENGINE RECOMMENDATION, REFER TO THE ENGINE MANUAL PROVIDED WITH THE MACHINE.

7.2 - HYDRAULIC OIL

External environmental conditions can reduce performance of the machine if the hydraulic oil temperature does not reach its optimum range.

It is recommended to use the hydraulic oil according to weather condition. Refer to the table below.

Environmental conditions	ISO (Viscosity Index)
Ambient temperature between - 15°C (5°F) and + 40°C (104°F)	32 (175)
Ambient temperature between - 35°C (- 31°F) and - 15°C (5°F)	15 (380)

N.B.-:-IT IS RECOMMENDED TO REPLACE LOW TEMPERATURE OIL AS THE AMBIENT TEMPERATURE REACHES + $15^{\circ}C$ (59°F). IT IS NOT ADVISABLE TO MIX OILS OF DIFFERENT BRANDS OR TYPES.

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D-Operation instructions



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3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

E- General Specifications

Notes

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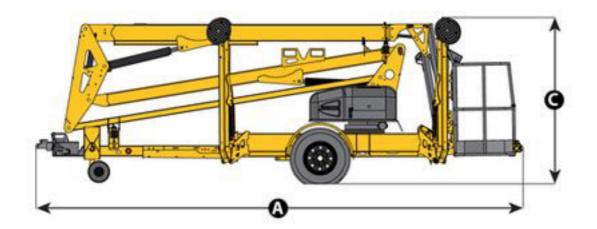
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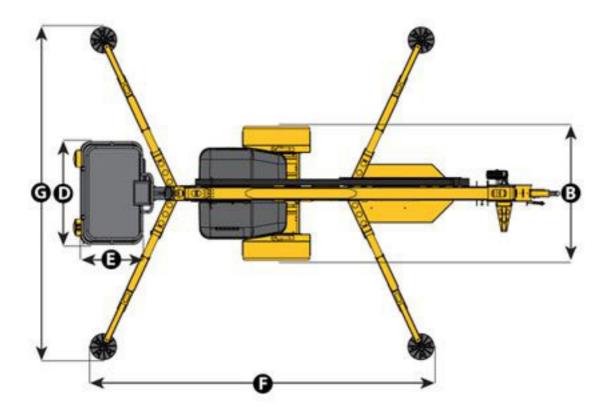
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1 - Machine dimensions

Stowed / Transport position : Configuration that takes the minimum floor space necessary for storage and / or delivery of the machine - Access position.





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E- General Specifications

	Machine	3522A - I	HTA13P
Marking	Specifications - Dimensions	SI	Imp.
А	Length - stowed	4,95 m	16 ft 3 in
В	Width stowed	1.67 m	5 ft 6 in
С	Height stowed	2,03 m	6 ft 8 in
D x E	Platform size	1,24 m x 0,84 m	4 ft 1 in x 2 ft 9 in
F	Widest Point	3,6 m	11 ft 10 in
G	Widest Point	3,7 m	12 ft 2 in
	Jib - length	1,30 m	4 ft 3 in

	Machine	4527A - H	HTA16P
Marking	Specifications - Dimensions	SI	Imp.
А	Length - stowed	6,29 m	20 ft 8 in
В	Width stowed	1.67 m	5 ft 6 in
С	Height stowed	2,03 m	6 ft 8 in
D x E	Platform size	1,24 m x 0,84 m	4 ft 1 in x 2 ft 9 in
F	Widest Point	4,19 m	13 ft 9 in
G	Widest Point	4,11 m	13 ft 6 in
	Jib - length	1,30 m	4 ft 3 in

	Machine	5533A - I	HTA19P
Marking	Specifications - Dimensions	SI	Imp.
	Working height	18,66 m	61 ft 3 in
	Platform height	16,84 m	55 ft 3 in
	Horizontal outreach (from centerline)	10,18 m	33 ft 5 in
	Horizontal outreach (from edge of footpad)	8,33 m	27 ft 4 in
	Up and over height	7,03 m	23 ft 1 in
А	Length - stowed	7,21 m	23 ft 8 in
В	Width stowed	1.7 m	5 ft 7 in
С	Height stowed	2,05 m	6 ft 9 in
D x E	Platform size	1,24 m x 0,84 m	4 ft 1 in x 2 ft 9 in
F	Widest Point	4,47 m	14 ft 8 in
G	Widest Point	4,57 m	15 ft 0 in
	Jib - length	1,30 m	4 ft 3 in

2 - Major component masses

N.B.-:-MASSES MEASURED WITH EMPTY TANKS (STANDARD MACHINE-NO OPTIONS).

Component	3522A - HTA13P	
Characteristics-Dimensions	SI	Imp.
Boom assembly	564 kg	1243 lbs
Turntable assembly	389 kg	857 lbs
Trailer assembly	615	1355 lbs
Total weight	1567 kg	3455 lbs

Component	4527A - HTA16P	
Characteristics-Dimensions	SI	Imp.
Boom assembly	603 kg	1330 lbs
Turntable assembly	478 kg	1054 lbs
Trailer assembly	695 kg	1532 lbs
Total weight	1776 kg	3916 lbs

Component	5533A - HTA19P	
Characteristics-Dimensions	SI	Imp.
Boom assembly	805 kg	1774 lbs
Turntable assembly	438 kg	966 lbs
Trailer assembly	843 kg	1859 lbs
Total weight	2086 kg	4599 lbs

Note :

• Drive and set option adds 113 kg (250 lbs).

• Machine generator option adds 86 kg (190 lbs).

• Basket Rotate and spare tire options add 68 kg (150 lbs) to weight.

3 - Acoustics and vibrations

The acoustics and vibrations specifications are based upon the following conditions :

	Specifications
DC mode - Ground (Lower)	60 dBA
DC mode - Platform (Upper)	55 dBA
Engine mode - Ground (Ground)	70 dBA
Engine mode - Platform (Upper)	65 dBA

4 - Wheel/Tire assembly

4.1 - TECHNICAL SPECIFICATIONS

3522A - HTA13P

	Component	Standard wheel
Size		ST 205/75 R14C
Torque		34 Nm (25 ft lbs), 81 Nm (60 ft lbs),
		136 Nm (100 ft lbs)

4527A - HTA16P

	Component	Standard wheel
Size		ST 225/75 R15D
Torque		34 Nm (25 ft lbs), 81 Nm (60 ft lbs), 136 Nm (100 ft lbs)

5533A - HTA19P

	Component	Standard wheel
Size		ST 225/75 R15D
Torque		34 Nm (25 ft lbs), 81 Nm (60 ft lbs),
		136 Nm (100 ft lbs)

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4.2 - INSPECTION AND MAINTENANCE



The tire and rim are bonded together, both must be replaced if either is damaged.

Before mounting tires onto the wheels, make certain that the rim size and contour is approved for the tire as shown in the Tire and Rim Association Yearbook or the tire manufacturers catalog. Also make sure the tire will carry the rated load. If the load is not equal on all tires due to trailer weight distribution, use the tire rated for the heaviest wheel position.

N.B.-:-THE CAPACITY RATING MOLDED INTO THE SIDEWALL OF THE TIRE IS NOT ALWAYS THE PROPER RATING FOR THE TIRE IF USED IN A TRAILER APPLICATION.

Use the following guidelines :

• LT and ST tires. Use the capacity rating molded into the tire.

Use tire mounting procedures as outlined by the Rubber Manufacturer's Association or the tire manufacturers.

Tire inflation pressure is the most important factor in tire life. Inflation pressure should be as recommended by the manufacturer for the load. Pressure should be checked cold before operation. DO NOT bleed air from tires when they are hot. Check inflation pressure weekly during use to insure the maximum tire life and tread wear. The following tire wear diagnostic chart will help you pinpoint the causes and solutions of tire wear problems.



Tire wear should be checked frequently because once a wear pattern becomes firmly established in a tire it is difficult to stop, even if the underlying cause is corrected.

Wear pattern		Cause	Action
	Center wear	Over inflation	Adjust pressure to particular load per tire catalog or contact the tire manufacturer.
	Edge wear	Under inflation	Adjust pressure to particular load per tire catalog.

Tire wear diagnostic chart

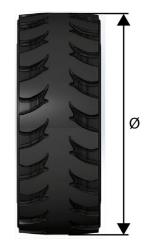
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E- General Specifications

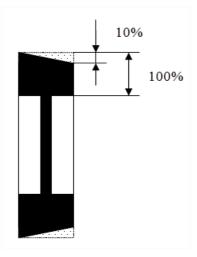
Wear patter	rn	Cause	Action		A
	Side wear	Loss of camber or overloading	Make sure load doesn't exceed axle rating. Align at alignment shop.		B
					C
	Toe wear	Incorrect toe-in	Align at alignment shop.	Ì	n
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(FIIII)	Cupping	Out-of-balance	Check bearing adjustment and balance tires.	>	E
					F
ASSESS A					
	Flat spots	Wheel lockup and tire skidding	Avoid sudden stops when possible and adjust brakes.		G
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Wheels replacement must be made in the following cases :

- Deformation or cracks on the rim.
- De-bonding between the interface of the steel and the rubber.
- Uniform wear to the wearing line.



• Non-linear wearing of the tread profile (> 10%)



- 1 wheel stud is completely torn.
- 2 successive wheel studs are partially torn.



Tires and rims are critical components for the stability of the machine. For safety reasons :

- Use only HAULOTTE® spare parts according to the technical characteristics of the machine. Refer to the spare parts catalog.
- Do not replace factory-installed tires with tires of different specifications or ply rating.
- Never replace a solid (rigid) (Solid Tyre) tire with a foam-filled or a pneumatic (air-filled) tire.

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E- General Specifications

Procedure of replacement :

- Loosen the wheel nuts on the wheel to be removed.
- Raise the machine using a jack or a hoist.
- Remove the wheel nuts.
- Remove the wheel.
- Install the new wheel.
- Check for correct wheel nut tightening sequence.
- Lower the machine to the ground.
- Tighten the wheel nuts to the recommended torque. Refer to maintenance and repair manuals.

N.B.-:-IF A WHEEL HAS BEEN REPLACED, WHILE OBSERVING THE AXLE TRACK PATTERN CHECK FOR CORRECT INSTALLATION.

5 - Options

5.1 - IMPORTANT

The HAULOTTE® Model 3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P is a Summit Series trailer-mounted aerial work platforms that may be equipped with one or more optional components designed for the convenience and safety of operators when using the equipment to accomplish specific tasks.

Always use only those components manufactured and / or authorized by HAULOTTE®. Never make any adjustments or modifications or otherwise alter the equipment in any way that is not expressly recommended by the manufacturer.

When operating an aerial work platform equipped with optional components, observe all safety precautions set forth by the manufacturer, as well as local regulations regarding this equipment and its components.

Consult rental agency or manufacturer regarding which optional components may be installed on the aerial work platform. For questions regarding safe use, contact HAULOTTE® Customer Service Department: at 1-800-537-0540 or visit HAULOTTE® online at www.haulotte-usa.com.

5.2 - DRIVE AND SET

The Drive and Set Option allows the operator to drive the aerial work platform over a short distance on ground level, deploy, retract and level the outriggers from the platform (upper) control box. The platform (upper) control box, which has additional controls added, is used to control all boom motions, as well as all Drive and Set functions. The platform (upper) control box is activated by turning the KEY SWITCH (1) at the ground (lower) control box, clockwise to the PLATFORM (1b) icon and entering the platform using a 3 point contact (both hands and one foot).

5.2.1 - Drive and set safety

- NEVER drive the aerial work platform without the platform and boom fully lowered, and the outriggers fully retracted in the "stowed" (upright) position.
- NEVER drive the aerial work platform without the operator fully secured inside the platform.
- NEVER operate the Drive function on grades exceeding 4.5 °. This optional feature is intended to help reposition the aerial work platform, by driving short distances only on a level ground.
- NEVER operate the aerial work platform with more than 1 person in the platform.
- ALWAYS watch for personnel and obstructions in the path of the machine. Be aware of limited visibility and blind spots.

E 12.22

3522A - HTA13P - 4527A - HTA16P - 5533A - HTA19P

E- General Specifications

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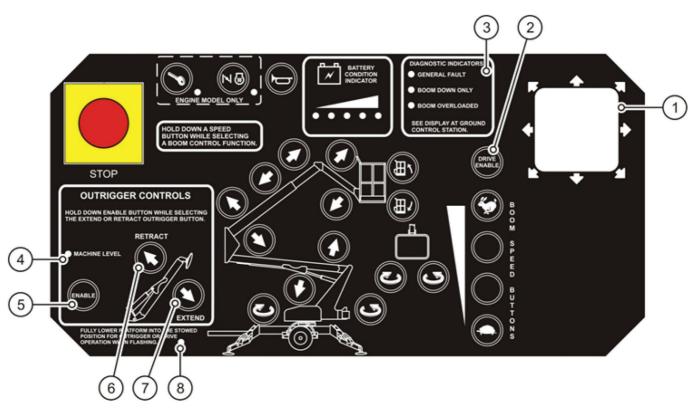
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5.2.2 - Drive and set controls

The platform (upper) control box of a Drive and Set equipped aerial work platform includes the following controls and indicators.

Drive and set controls



Marking	Description	Function		
1	Drive and set joystick	 The multi-axis JOYSTICK (1) drives the aerial work platform in the direction of movement. The JOYSTICK (1) only functions when the DRIVE ENABLE (2) button is presse (pushed in) and held. The aerial work platform stops when either the DRIVE ENABLE (2) button or JOYSTICK (1) is released. 		
2	Drive enable button	 Press (push) in and hold the DRIVE ENABLE (2) button to activate the JOYSTICK (1). To stop, release either the DRIVE ENABLE (2) button or the JOYSTICK (1). 		
3	Diagnostic indicators	 DIAGNOSTIC INDICATOR LEDS (3) will light up to indicate that an error in boom raise or drive function has occurred. When lit, check the DISPLAY PANEL (5) on the ground (lower) control box for an error code. Refer to Table Error Code Definitions, located in the "Maintenance" section of this manual. 		
ЗА	General Fault LED	When lit, check the DISPLAY PANEL (5) on the ground (lower) control box for an error code. Refer to Table Error Code Definitions, located in the "Maintenance" section of this manual.		
3B	Boom Down Only LED	When lit, this is an indication that the machine is our of level and the down speeds are reduced.		
3C	Boom Overload LED	When lit, this is an indication of too much weight in the work platform; all functional operations become non-functional until the weight is below the Maximum Allowed Capacity (227 Kg (500 lbs)) rating for the platform.		
4	Machine level indicator	The machine LEVEL INDICATOR LED (4) will light up to indicate that the aerial work platform is level and boom functions can be performed.		
5 - 7	Outrigger controls	 The outrigger ENABLE (5) button works in tandem with both the outrigger RETRACT (6) button and the outrigger EXTEND (7) button. Pressing (pushing) in and holding the ENABLE (5) button while pressing (pushing) in on the RETRACT (6) button fully retracts all 4 outriggers simultaneously. Pressing (pushing) in and holding the ENABLE (5) button while pressing (pushing) in on the EXTEND (7) button fully deploys all 4 outriggers simultaneously. 		
8	Platform position LED	When the PLATFORM POSITION LED (8) is flashing, the boom must be fully retracted and in the "stowed" position before resuming outrigger control or drive and set operations.		

1. The outriggers can be deployed and / or retracted from either the ground (lower) or platform (upper) control box on aerial work platforms with the Drive and Set Option

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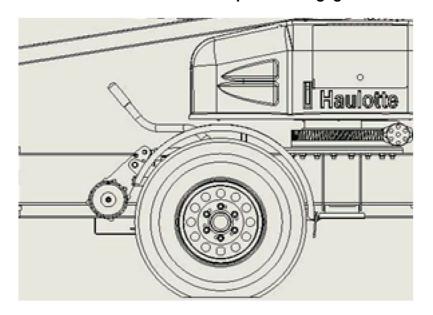
5.2.3 - Drive and set use

5.2.3.1 - Initial Operation

Use the following procedure to operate the Drive and Set option upon arriving on site :

- Set the parking brake.
- Lower the TONGUE JACK / DOLLY WHEEL and unhitch the aerial work platform from tow vehicle.
- Engage BOTH Drive wheels into the tow wheels.
- Release the parking brake. Drive functions will not operate unless the parking brake is set.
- Enter the work platform using a 3 point contact (both hands and one foot), put on a safety harness and attach the lanyard to the ANCHORAGE (attachment point) on the side of the platform support beam.
- Press (push) in and hold the DRIVE ENABLE (2) button on the platform (upper) control box, move the JOYSTICK (1) in the desired direction.
- The aerial work platform will continue to move in the desired direction until the JOYSTICK (1) or DRIVE ENABLE (2) button is released.
- Once you have reached the work location, lower the outriggers, and level the aerial work platform using either the ground (lower) or platform (upper) control box.

N.B.-:-BOOM FUNCTIONS ARE NOT AVAILABLE UNTIL ALL OUTRIGGERS ARE FULLY DEPLOYED AND THE AERIAL WORK PLATFORM IS LEVEL.



Drive and Set Option Disengaged

5.2.3.2 - During Operation

Utilize the Drive and Set option to advance to the next work location. Use the following procedure to operate the Drive and Set option :

• Completely lower the platform into its "stowed" position.

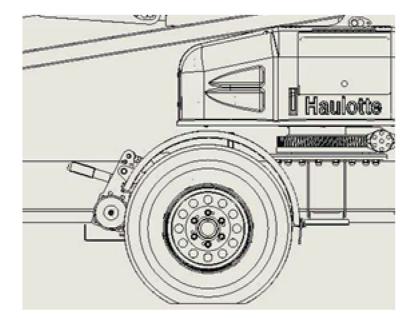
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• Fully retract outriggers into their "stowed" (upright) position.

N.B.-:-THE AERIAL WORK PLATFORM **MUST** BE IN ITS FULLY LOWERED "STOWED" POSITION, BEFORE MOVING.

- Press (push) and hold the DRIVE ENABLE button on the platform (lower) control box, move the JOYSTICK in the desired direction.
- The Aerial work platform will continue to move in the desired direction until the JOYSTICK or DRIVE ENABLE button is released.
- To continue platform operations, lower outriggers and level the aerial work platform using either the ground (lower) or platform (upper) control box.

N.B.-:-BOOM FUNCTIONS ARE NOT AVAILABLE UNTIL OUTRIGGERS ARE FULLY DEPLOYED AND THE AERIAL WORK PLATFORM IS LEVEL.



Drive and Set Option Engaged

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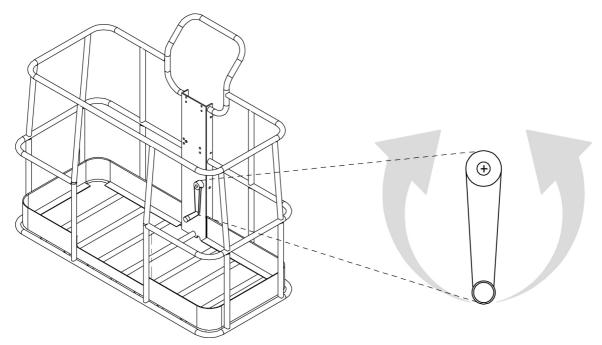
5.3 - PLATFORM ROTATOR

The optional platform rotator allows the operator to rotate the basket 90 ° around a vertical axis by actuating a rotator handle found below the platform control box.

To operate manual platform rotator, turn the rotator handle in the direction of desired rotation (clockwise (CW) or counterclockwise (CCW)). Motion continues in the desired direction until rotator handle is released or the platform reaches a safe travel limit.



Installation of a manual platform rotator may reduce the rated load limit of the work platform. Follow all manufacturer's recommendations and safety precautions when operating an aerial work platform equipped for platform rotation.



Manual platform rotator

As an owner and/or operator of Haulotte equipment, your Safety is of utmost importance to HAULOTTE®, which is why HAULOTTE® places such a high priority on product safety.

INSPECTIONS are not only required by HAULOTTE®, but may also be required by industry standards and/or local regulations.

To ensure your equipment continues to achieve the level of performance set in the factory, it is important to maintain it regularly. We remind you that it is strictly forbidden to make any modifications. Regular and timely inspections will reduce equipment down time as well as prevent possible injury.

N.B.-:-DO NOT OPERATE UNLESS YOU ARE FAMILIAR AND TRAINED IN THE PRINCIPLES OF SAFE MACHINE OPERATION.

Overview :

• Walk-around inspections take only a few minutes at the beginning and end of each shift – one of the best ways to prevent mechanical problems and safety hazards.

What to Do :

• Use your senses: sight, smell, hearing and touch.

Frequency :

- Check your machine periodically during your entire workday.
- Make sure to do your inspection the same way every time.
- Complete one of these inspections at the start and end of each shift.

N.B.-:-IF DAMAGE OR UNAUTHORIZED MODIFICATIONS ARE DISCOVERED, THE MACHINE MUST BE REMOVED FROM SERVICE UNTIL REPAIRS ARE MADE BY A QUALIFIED SERVICE TECHNICIAN.

It is the owner's responsibility to ensure the required maintenance as recommended by Haulotte is completed prior to the operation of the machine.

If regular maintenance is not carried out, this may :

- Void the warranty.
- Cause machine malfunction.
- Reduce machine reliability and shorten its service life.
- Jeopardize operator safety.

HAULOTTE Services® technicians are specially trained to carry out extensive repairs, interventions or adjustments on the safety systems or elements of HAULOTTE® machines. They carry genuine HAULOTTE spare parts and tools as required, and also provide fully documented reports on all work completed.

The inspection and maintenance table, identifies the role and the responsibilities of each party in periodical machine maintenance. Section C 3 - Inspection and Functional test.

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2 - Maintenance Schedule

This section provides the necessary information needed to place the machine in safe operation. In accordance with the regulations that are currently applicable, this machine is deisgned to have a 10 year life span in normal usage conditions. The life may be extended or reduced dependent on the severity of operating conditions, the machine condition itself and by conducting effective inspections and maintenance in addition to other external factors. There are a number of factors which can affect the design life including but not limited to, severity of operating conditions/routine maintenance which should be carried out in accordance with this manual.

Severity of operating conditions may require a reduction in time between maintenance periods. Machines that have been out of service or have not been in use for more than 3 months must undergo a periodic inspection before the machine is put back into service.

Maintenance must be carried out by a competent company or person familiar with mechanical procedures.

Maintenance operations performed must be recorded in a register / log book of the machine.

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.

3.3 -**PERIODIC INSPECTION**

The Periodic inspection is a thorough evaluation of the operation and safety features of the machine.

It must be conducted before the sale / resale of the machine and/or at least once every year.

Local regulations may have specific requirements on frequency, and content of inspections.

The severity of operating conditions may require frequent inspections.

This inspection is the responsibility of the owner, and inspections must be carried out by a competent company or person.

This inspection is in addition to the daily inspection.

This inspection should also be conducted after :

- Extensive dismantling and reassembly of major components.
- Repairs involving the machine's essential components.
- Any accident causing stress to the machine.

3.4 -**REINFORCED INSPECTION**

The Reinforced inspection is a thorough evaluation of the machine's structural components, to ensure proper functionality of the machine.

This evaluation must occur at a frequency of 5000 hours or every 5 years.

This inspection is the responsibility of the owner, and it must be conducted by a HAULOTTE Services® technician or by a competent company or person.

This inspection includes :

- Daily inspection
- Periodic inspection

N.B.-:-REFER TO THE MAINTENANCE MANUAL FOR DETAILS.

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3.5 - MAJOR INSPECTION

The Major inspection is a thorough evaluation of the machine's integrity and proper functioning; after a normal service life of 10 years.

This evaluation must take place after 10 years of operation and then repeated every 5 years thereafter.

The severity of operating conditions may require frequent inspections.

This inspection is the responsibility of the owner, and it must be conducted by a HAULOTTE Services® technician or by a competent company or person.

This inspection includes :

- Daily inspection
- Periodic inspection
- Reinforced inspection

N.B.-:-REFER TO THE MAINTENANCE MANUAL FOR DETAILS.

4 - Repairs and adjustments

Extensive repairs, interventions or adjustments on the safety systems or components must be performed by a HAULOTTE Services® technician. Use original spare parts and components only.

N.B.-:-HAULOTTE SERVICES® TECHNICIANS ARE TRAINED PROFESSIONALS TO PERFORM EXTENSIVE REPAIRS, INTERVENTIONS AND ADJUSTMENTS ON THE SAFETY SYSTEMS OR COMPONENTS OF **HAULOTTE®** MACHINES. THE TECHNICIAN CARRIES GENUINE **HAULOTTE®** SPARE PARTS AND TOOLS AS REQUIRED, AND ALSO PROVIDES FULLY DOCUMENTED REPORTS ON ALL WORK COMPLETED.

HAULOTTE Services® will not take responsibility for any outcomes resulting from inferior services or repairs performed by other unauthorised personnel.

HAULOTTE® reminds that NO modifications SHALL be carried out without the written permission of HAULOTTE®.

Any unauthorised repairs/modifications will void HAULOTTE® warranty.

To check for safety campaigns, consult our website : www.haulotte.com



N.B.-:-When disposing or scrapping this machine, please consider appropriate methods of recycling. Any items that require specific disposal are listed with instructions in the maintenance manual.

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- Maintenance





1 - HAULOTTE® new product warranty North America

There is no express warranty except that HAULOTTE® provides the following limited warranty :

Haulotte US Inc (HAULOTTE®) warrants its new products made by it to be free from defects in material or workmanship for 24 months under normal operational conditions from the warranty start date (delivery date).

In addition, HAULOTTE® further warrants the structural elements of each new product made by it, as defined in its then current warranty policies and procedures, to be free from defects in material or workmanship for 5 years from the warranty start date (delivery date).

HAULOTTE® agrees to repair or replace at its own expense; at its facility in Va Beach Virginia, or by an authorized repair service provider designated by HAULOTTE®, any part or parts of the product found to be defective in material or workmanship, provided HAULOTTE® is notified of such defect or defects within the applicable warranty period and given a reasonable time to correct the defect. In no case shall any warranty extend to defects in materials, components, or services furnished by third parties. Defects caused by chemical action or the presence of abrasive materials and defects arising following the operation beyond rated capacity or the improper use or application of any products shall not be considered defects within the scope of this warranty. If any repairs or alterations are made or any parts are replaced during the applicable warranty periods by anyone other than HAULOTTE® or an entity authorized by HAULOTTE® for use in its products, customer shall pay for such repairs or parts without recourse against HAULOTTE®, and HAULOTTE® should be relieved of responsibility for fulfillment of this warranty with respect to such repairs, alterations, or replacement so made. HAULOTTE® obligations under this warranty shall at all times be subject to its current warranty policies and procedures. The above mentioned warranty shall not apply to replacement or service parts made and sold by HAULOTTE®. Periodic maintenance, periodic maintenance items (including paint and decals), and minor adjustments are excluded from this warranty. Certain components, including, but not limited to, engines, tires/tyres and batteries, which may be part of the product are not manufactured or warranted by HAULOTTE®. Any applicable warranty for such component is provided through the original manufacturer of the component or its distributor organization. HAULOTTE® warranty does not apply to defects caused by negligence, misuse, accidental damage, inadequate or improper use or maintenance, acts of nature and normal wear and tear of the products.

G-Other information

Under no circumstances shall HAULOTTE® be liable for any consequential or special damages which any person or entity may incur or claim to incur as a result of any defect in the product or in any correction or alteration thereof made or furnished by HAULOTTE® or others. Consequential or special damage includes, but not limited to cost of transportation, lost sales, lost orders, lost profits, lost income, increased over head, labor and material costs, and cost of manufacturing variances and operational inefficiencies. HAULOTTE® maximum liability under this warranty shall be the purchase price paid to HAULOTTE® entire and exclusive warranty as to the product and is the sole and exclusive remedy for the product defects in material and workmanship. HAULOTTE® does not assume (and has not authorized any other person to assume on its behalf) any other warranty or liability in connection with any product covered by this warranty. HAULOTTE® expressly disclaims any and all other warranties of any kind whatsoever as to the product.



There is no implied warranty of merchantability and no implied warranty of fitness for a purpose. There is no implied warranty of any kind whatsoever.

This warranty shall be void, if, upon the occurrence of any incident involving any product made by HAULOTTE® and resulting in any personal injury or property damage, customer shall fail to notify HAULOTTE® within 48 hours of such occurrence or permit HAULOTTE® and its representatives to have immediate access to such product and all records of or within the control of the customer relating to the product and occurrence. For the procedure to apply for warranty please refer to the warranty procedure (North America Warranty 2015/3).

G- Other information

1.1 - WARRANTY CLAIMS PROCEDURE

In order to qualify for warranty coverage, the following conditions must be met :

- 1. Return of completed "Warranty Registration" form to Haulotte Group / Haulotte North America Manufacturing LLC within 15 days of receipt of product.
- 2. Notification to Haulotte Group / Haulotte North America Manufacturing LLC Service within 48 hours of any claimed defect, or damage resulting from the claimed defect.
- 3. Warranty is limited to parts that are determined to be defective by an authorized service dealership in conjunction with Haulotte Group / Haulotte North America Manufacturing LLC Service. This does not include parts worn out due to normal wear and tear.

Haulotte Group / Haulotte North America Manufacturing LLC authorized dealers or distributors are responsible for filing claims under warranty. Listed below is the warranty claims procedure.

- 4. Contact Haulotte Group / Haulotte North America Manufacturing LLC Customer Service Department at 1-800-537-0540 or visit HAULOTTE® online at www.haulotte-usa.com to report the claim and verify warranty coverage. Machine serial number and machine hours must be provided when call is placed. A call ID number will be created when the call is placed. The service representative will issue the call ID number to you at the end of the call.
- 5. Identify the components to be claimed under warranty along with description of failure. An RMA number will be issued from Haulotte Group / Haulotte North America Manufacturing LLC to return warranty parts at the time the parts order is placed.
- 6. Replacement parts will then be sent by Haulotte Group / Haulotte North America Manufacturing LLC to the dealer or distributor. All parts are invoiced at dealer/distributor list price. Credits will be issued when defective parts are returned to Haulotte Group / Haulotte North America Manufacturing LLC under the proper RMA number and found to be defective under warranty.
- 7. After completing repairs, submit warranty application form and return the defective parts to Haulotte Group / Haulotte North America Manufacturing LLC. Warranty application form and parts must be received within 30 days of claim in order to be eligible for credit. Returned parts are to be sent prepaid and will be credited when part is received and verified. Warranty labor rate will be paid at current rate set by Haulotte Group / Haulotte North America Manufacturing LLC. The amount of labor hours reimbursed will be determined by Haulotte Group / Haulotte North America Manufacturing LLC and will be limited to 4 hours unless approved by Haulotte Group / Haulotte North America Manufacturing LLC Service.
- 8. The warranty application must include: the issued RMA number, the invoice number for the associated parts, the machine serial number, the machine hours on the date of failure, the issued call ID number, failure and repair description, and requested customer information.

Failure to follow the warranty claims procedure may result in delay in processing claim or denial of the claim. Haulotte Group / Haulotte North America Manufacturing LLC reserves the right to limit or adjust warranty claims with regard to parts, labor, and travel time. Replacement components purchased from suppliers other than Haulotte Group / Haulotte North America Manufacturing LLC are not covered under the terms of this warranty

G- Other information

1.2 - WARRANTY REGISTRATION

Owner name :	Purchased from :	Machine Model :		
Address :	Address :	Machine Serial :		
Address .	Address .	Date machine delivered :		
City :	City :	Machine used for :		
State :	State :	Ontional aquinment :		
Zip code :	Zip code :	Optional equipment :		
Phone :	Phone :	Resale :		
I have received and understand the following :				

I have received and understand the following :

Operator's Manual
Operator instructions as given in the Operator's Manual and by decals
All load capacity decals
Maintenance schedule as given in the Operator's Manual
Hydraulic system care and use as given in the Operator's Manual
Warranty in Operator's Manual with its obligation for owner and dealer

Remarks :

How was the sale initiated ? (check one)

1. Lead	2. Cold call	3. Trade show	4. Existing customer

Type of business? (check one)

1. School	2. Government	3. Hotel/Convention Ctr.	4. Industrial/Manufacturing
5. Construction	6. Rental Yard	7. Service Ctr.	8. Other

I thoroughly understand the Operation and Maintenance of this machine. I also acknowledge the warranty conditions and limitations as outlined in the Operator's Manual.

Owner or Operator's Signature		Date	
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G-Other information

2 - Subsidiary contact information

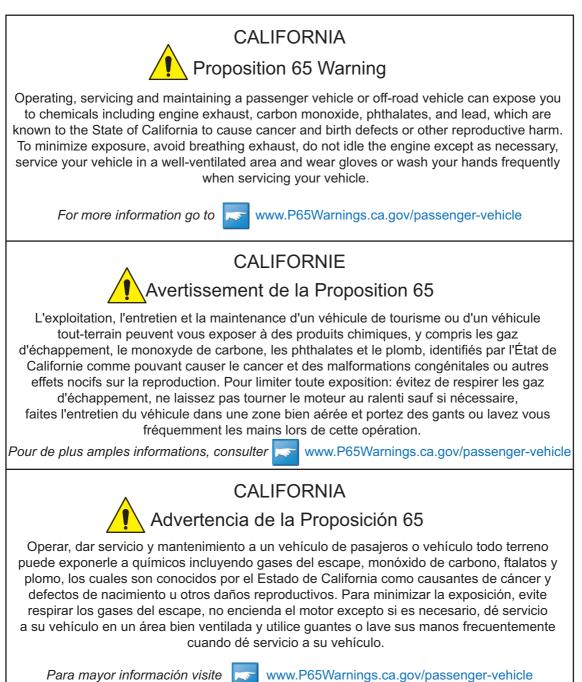
		1		1	
	HAULOTTE FRANCE PARC DES LUMIERES 601 RUE NICEPHORE NIEPCE 69800 SAINT-PRIEST TECHNICAL Department: +33 (0)820 200 089 SPARE PARTS : +33 (0)820 205 344 FAX : +33 (0)4 72 88 01 43 E-mail : haulottefrance@haulotte.com www.haulotte.fr		HAULOTTE ITALIA VIA LOMBARDIA 15 20098 SAN GIULIANO MILANESE (MI) TEL: +39 02 98 97 01 FAX: +39 02 9897 01 25 E-mail : haulotteitalia@haulotte.com <u>www.haulotte.it</u>		HAULOTTE INDIA Unit No. 1205, 12th foor,Bhumiraj Costarica, Plot No. 1&2, Sector 18, Palm Beach Road, Sanpada, Navi Mumbai- 400 705 Maharashtra, INDIA Tel. : +91 22 66739531 to 35 E-mail : hlgindia@haulotte.com <u>www.haulotte.in</u>
	HAULOTTE HUBARBEITSBÜHNEN GmbH Ehrenkirchener Strasse 2 D-79427 ESCHBACH TEL : +49 (0) 7634 50 67 - 0 FAX : +49 (0) 7634 50 67 - 119 E-mail : adv-gmbh@haulotte.com <u>www.haulotte.de</u>		HAULOTTE VOSTOK 61A, bld.1, RYABINOVAYA STREET 121471 MOSCOW RUSSIA TEL/FAX : +7 495 221 53 02 / 03 E-mail : salesrus@haulotte.com www.haulottevostok.ru		HAULOTTE DO BRASIL Av. Alameda Caiapós, 589 CEP: 06460-110 – TAMBORE BARUERI – SAO PAULO – BRASIL TEL: +55 11 4196 4300 FAX: +55 11 4196 4316 E-mail: haulottebrasil@haulotte.com www.haulotte.com.br
	HAULOTTE IBERICA C/ARGENTINA N° 13 - P.I. LA GARENA 28806 ALCALA DE HENARES MADRID TEL : +34 902 886 455 TEL SAT : +34 902 886 444 FAX : +34 911 341 844 E-mail : iberica@haulotte.com <u>www.haulotte.es</u>		HAULOTTE POLSKA Sp. Z.o.o. UL. GRANICZNA 22 05-090 RASZYN - JANKI TEL : +48 22 720 08 80 FAX : +48 22 720 35 06 E-mail : E-mail : haulottepolska@haulotte.com <u>www.haulotte.pl</u>	•	HAULOTTE MÉXICO, S.A. de C.V. Calle 40 SUR ESQUINA 13 ESTE No. S/N Colonia CIVAC, JIUTEPEC, MORELOS CP 62578 México TEL : +52 77 7321 7923 FAX : +52 77 7516 8234 E-mail : haulotte.mexico@haulotte.com <u>www.haulotte.com.mx</u>
	HAULOTTE in JAPAN SBJ ShinOsaka BLDG 3F 4-6-5 Nishinakajima Yodogawa-ku, Osaka, JAPAN, Post Code: 532-0011 TEL: +81 6 6795 9008 FAX: +81 6 6795 9009 <u>www.haulotte.com</u>	¢	HAULOTTE SINGAPORE Pte Ltd. No.26 CHANGI NORTH WAY, SINGAPORE 498812 Parts and service Hottine: +65 6546 6150 FAX : +65 6536 3969 E-mail: haulotteasia@haulotte.com www.haulotte.sg		HAULOTTE MIDDLE EAST FZE PO BOX 293881 Dubaï Airport Free Zone DUBAÏ United Arab Emirates TEL : +971 (0) 4 299 77 35 FAX : +971 (0) 4 299 60 28 E-mail : haulottemiddle- east@haulotte.com www.haulotte.ae
	HAULOTTE SCANDINAVIA AB Taljegårdsgatan 12 431 53 Mölndal SWEDEN TEL : +46 31 744 32 90 FAX : +46 31 744 32 99 E-mail : info@se.haulotte.com spares@se.haulotte.com <u>www.haulotte.se</u>	•)	HAULOTTE TRADING (SHANGHAI) Co. Ltd. #7 WORKSHOP No 191 HUA JIN ROAD MIN HANG DISTRICT SHANGHAI 201108 CHINA TEL : +86 21 6442 6610 FAX : +86 21 6442 6619 E-mail : haulotteshanghai@haulotte.com <u>www.haulotte.cn</u>	٠	HAULOTTE ARGENTINA Ruta Panamericana Km. 34,300 (Ramal A Escobar) 1615 Gran Bourg (Provincia de Buenos Aires) Argentina TEL: +54 33 27 445991 FAX: +54 33 27 452191 E-mail : haulotteargentina@haulotte.com <u>www.haulotte.com.ar</u>
NK	HAULOTTE UK Ltd 1 Gravely Way Four Ashes Wolverhampton WV10 7GW ENGLAND TEL : +44 (0)1216 199753 FAX : + 44 (0)1952 292758 E-mail : salesuk@haulotte.com www.haulotte.co.uk		HAULOTTE GROUP / BILJAX 125 TAYLOR PARKWAY ARCHBOLD, OH 43502 – USA TEL : +1 419 445 8915 FAX :+1 419 445 0367 Toll free : +1 800 537 0540 E-mail : sales@us.haulotte.com <u>www.haulotte-usa.com</u>		HAULOTTE NORTH AMERICA 3409 Chandler Creek Rd. VIRGINIA BEACH, VA 23453 – USA TEL : +1 757 689 2146 FAX :+1 757 689 2175 Toll free : +1 800 537 0540 E-mail : sales@us.haulotte.com <u>www.haulotte-usa.com</u>
	HAULOTTE NETHERLANDS BV Koopvaardijweg 26 4906 CV OOSTERHOUT - Nederland TEL : +31 (0) 162 670 707 FAX : +31 (0) 162 670 710 E-mail info@haulotte.nl www.haulotte.nl	***	HAULOTTE AUSTRALIA PTY Ltd 51 Port Link Drive DANDENONG – VIC – 3175 TEL : 1 300 207 683 FAX : +61 (0)3 9792 1011 E-mail : sales@haulotte.com.au <u>www.haulotte.com.au</u>	×	HAULOTTE CHILE Panamerica Norte Altura Km 21,5 Colina (Cruce c/Lo Pinto) Santiago (RM) TEL : + 562 2 3727630 E-mail : haulotte-chile@haulotte.com <u>www.haulotte-chile.com</u>

A

G-Other information

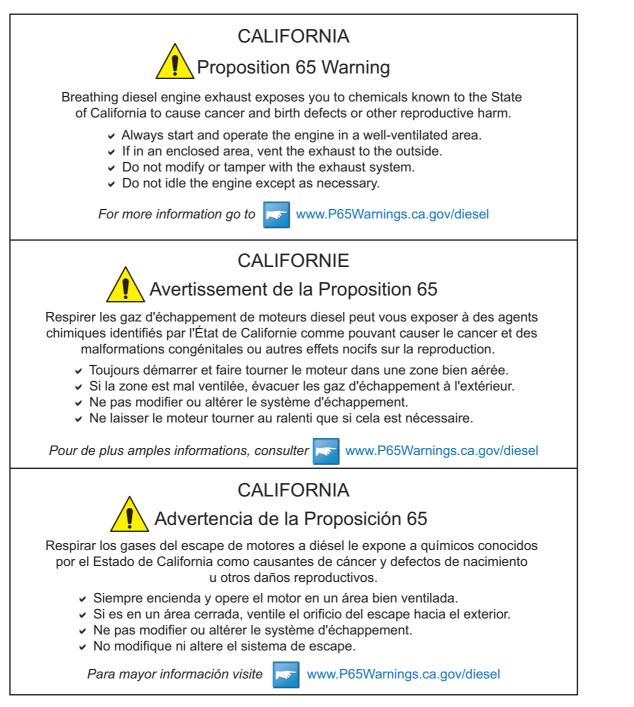
2.1 - CALIFORNIA WARNING

For the US destined machines (ANSI and CSA standards)



G- Other information

For the engine powered machines destined to the US market (Standards ANSI and CSA)



${f G}$ - Other information

For electric (battery operated) machines



1

R

- Intervention register

1 - Intervention register

The intervention register keeps a record of maintenance and repair work carried out inside or outside the maintenance programme.

N.B.-:-IN THE CASE OF A **HAULOTTE** Services® INTERVENTION, THE QUALIFIED TECHNICIAN MUST INDICATE THE **HAULOTTE** Services® INTERVENTION NUMBER.

Date	Type of intervention	Number of hours	Intervenor	HAULOTTE Services® intervention number	ſ
					1
					E
					F
					G
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- Intervention register

Date	Type of intervention	Number of hours	Intervenor	HAULOTTE Services® intervention number