

# B - Familiarization

## Maintenance operation - The stand located under one of the scissor arms must be set up :

- For COMPACT 10DX - COMPACT 2668RT : Lift scissor arms to a sufficient height (floor of the platform at around 2,6 m / 8 ft 6 in from the ground).
- For COMPACT 12DX - COMPACT 3368RT : Lift scissor arms to a sufficient height (floor of the platform at around 3,1 m / 10 ft 2 in from the ground).
- Unscrew, rotate and put the stand in the vertical position.
- The stand should remain in the vertical position.
- Lower the scissor arms.
- Scissor arm pivoting rod should rest on the V groove of the stand.

## At the end of the maintenance operation :

- Lift scissor arms to a sufficient height to tilt the stand. .
- Free the V of the stand from the scissor pin.
- Attach the stand on the scissor arm.

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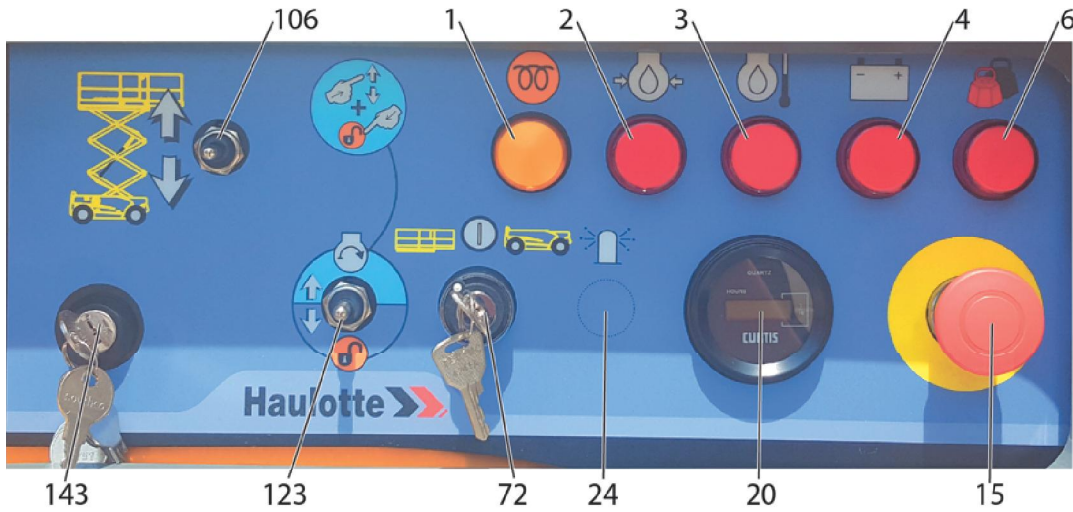
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# B - Familiarization

## 3.3 - GROUND CONTROL BOX

### 3.3.1 - Layout

General view - COMPACT 10DX - COMPACT 2668RT - COMPACT 12DX - COMPACT 3368RT



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## Controls and indicators

Marking	Item	Description	Function
1	HL9	Electric pre-heating indicator	On : Engine in pre-heating mode
			Off : Engine pre-heated, starting possible
2	HL4	Engine oil pressure light	Low engine oil pressure <sup>(1)</sup>
3	HL3	Engine temperature indicator	High engine oil temperature Perform the required maintenance (see the machine maintenance book)
4	HL1	Battery charging indicator	Low battery charge Perform the required maintenance (see the machine maintenance book)
6	HL808	Platform overload indicator	Platform overload
15	SB10	E-stop button	Pulled out : Ground control box energized. The emergency stop push button on the upper console must be pulled (activated) to allow movements.
			Pushed in : The controls on the upper and lower consoles are disabled by switching off the power to the controls (solenoid valves and relays).
20	P1	Hour meter	Total machine running hours
24	SA16	Beacon light on/off <sup>(2)</sup>	Move to the right : Beacon light on
			Move to the left : Beacon light off
72	SA1	Control box activation key switch	Left : Platform control box energized
			Center : De-energizes control system
			Right : Ground control box energized
106	SA6	Platform raising / lowering selector	Move upwards : Platform raises
			Move downwards : Platform lowers
123	SA8	Enable Switch-Engine start-up selector	Push the selector upwards : Starting the engine
			Move downwards and hold : Associated command is validated
			Release : Associated command movement is halted
143		Control box start-up key	Right : Control box ON
			Left : Control box OFF

(1.) Perform the required maintenance (see the machine maintenance book)  
 (2.) For machines fitted with

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# B - Familiarization

## 3.4 - PLATFORM CONTROL BOX

### 3.4.1 - Layout

General view-COMPACT 10DX - COMPACT 2668RT - COMPACT 12DX - COMPACT 3368RT



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## Controls and indicators

Marking	Item	Description	Function
31	HL30	Power ON indicator	On : Machine switched on Off : Machine switched off
46	SB11	Platform control box E-stop button	Pulled out : Platform control box power supply energized. The emergency push-button on the lower console must be pulled (activated) to enable movements. Pushed in : The controls on the upper and lower consoles are disabled by switching off the power to the controls (solenoid valves and relays).
51	HL21	Electric pre-heating indicator	On : Engine in pre-heating mode Off : Engine pre-heated, starting possible
57	SB1	Low speed selector	Pressed down (activated and LED on) : Low-speed drive selection (for short distance and final approach)
58	SB2	Medium speed selector	Pressed down (activated and LED on) : Medium-drive speed selection (difficult ground, slope)
59	SB3	High speed selector	Pressed down (activated and LED on) : High-speed drive selection (for long distance)
62	SB7	Horn button	Pressed down (activated) : Horn
85	HL19	Fault indicator-Platform overload indicator	Flashes if fault, overload, tilt
95	SB4	Platform raising / lowering selector	Pressed down (activated and LED on) : Platform raising/lowering selection
108	SM4	Movement joystick	Move forward : Forward drive or platform raising Move backwards : Reverse drive or platform lowering
230	SB5	Engine start-up selector	Start or stop the engine (depending on the machine's operating status) by pressing the push-button
246	SA4	Front left stabilizer extension/retraction selector	Push the selector downwards to extend the stabilizers : Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off during lowering
247	SA7	Front right stabilizer extension/retraction selector	Push the selector downwards to extend the stabilizers : Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off during lowering

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248	SA12	Rear left stabilizer extension/retraction selector	<p>Push the selector downwards to extend the stabilizers :                      Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set)                      Push the selector upwards to raise the stabilizers :                      Stabilizer retraction and corresponding LED off during lowering</p>
249	SA9	Rear right stabilizer extension/retraction	<p>Push the selector downwards to extend the stabilizers :                      Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set)                      Push the selector upwards to raise the stabilizers :                      Stabilizer retraction and corresponding LED off during lowering</p>
250	SA10	Central stabilizer extension/retraction selector	<p>Push the selector downwards to extend the stabilizers :                      Stabilisers extended and LED lit (continuously: stabilizers extended and set against the ground; fast flashing: stabilizers extended but not yet set; slow flashing: stabilizers fully extended but not set)                      Push the selector upwards to raise the stabilizers :                      Stabilizer retraction and corresponding LED off when lowering</p>

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## 1 - Operation

### 1.1 - INTRODUCTION

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

Prior to operation :

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

### 1.2 - OPERATION FROM THE GROUND CONTROL BOX

- Turning "ON" and "OFF" of the machine is performed with selector key switch (72).
- Activation of a desired control box is achieved by turning the control box energizing selector switch ( 72 ) to the desired position.
- 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.
  - The machine is switched on.
  - Ground control box is selected.
- An EMERGENCY STOP button located on each control box stops all movements and shuts off the engine when pressed in.
- An Enable Switch ( 123 ) provided must be activated and maintained to authorize one or more function movements. If Enable Switch ( 123 ) is kept engaged without selecting a function movement for more than 8 s; Enable Switch is automatically de-activated.
- The release of "Enable switch" ( 123 ) while performing a movement stops all the movements. The stop of movements is progressive. If the Enable Switch system is re-pressed, the movement doesn't restart. It could restart only when the selected function switch/joystick is released to neutral position.
- All switches and joystick operating a movement, return automatically to neutral when released.
- Enable Switch
  - Engine running, the switch acts as an Enable Switch only.

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- The status of the switches is tested automatically when the machine is switched on, and checked at every starting. A switch will be active only after it has been detected to be in neutral position. The following switches are not controlled :
  - Accelerator: engine rpm
  - Beacon light (if fitted)
- A switch provides the start and stop of the engine.
- Engine speed (If fitted) : This switch increases the engine rpm to the maximum speed.
- A buzzer beeps in the following conditions :
  - When power is switched on.
  - Overload (if fitted).
  - Slope if machine is out of stowed position.
  - Hydraulic oil overheating.
  - Movements option.
  - Driving option.
  - Movement option and driving.
- Indicators / Cluster : All indicators are checked after powering on the machine



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## 1.3 - OPERATION FROM THE PLATFORM CONTROL BOX

- The platform control box can only be used if :
  - The E-stop buttons on both ground and platform control boxes are not pressed in.
  - Machine switched on at ground control box.
  - Platform control box selected from ground control box.
- A faulty joystick is not taken into account to control a movement. If this fault disappears, the movement is authorised again.
- An E-Stop button is present at each control box. When pushed in, it stops all functions movements.
- An Enable switch ( 123 ) or Foot Switch in the basket ( 245 ) is present and should be activated to authorize one or more function movements. If the Enable Switch is kept active for more than 8 seconds without selecting a function movement, then movement is disallowed. The enable switch must be released (reset) before movement can occur.
- The release of "Enable switch" ( 123 ) or Foot pedal switch in the basket ( 245 ) while performing a movement stops all the movements. The stop of movements is progressive. It could restart only when the selected function switch/joystick is released to neutral position.
- All switches and joystick operating a movement, return automatically to neutral when released.
- The status of the switches and joysticks is tested automatically when the machine is switched on. A switch or joystick will be active only after it has been detected in neutral position.

A buzzer beeps in the following conditions :

- Overload.
- Machine elevated on a slope greater than the rated slope.
- Indicators - All the indicators are tested
  - When the machine is switched on.



**While driving on a slope :**

- **Always orientate the machine in the direction of the slope.**
- **Stow the machine completely.**
- **Do not travel down slopes in high speed.**
- **Do not drive fast in narrow or cluttered areas. Keep speed under control while making turns or sharp bends.**

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# D - Operation instructions

## 2 - Ground control box

### 2.1 - TO START AND STOP THE MACHINE

- Ensure that the E-Stop buttons ( 46 ) and ( 15 ) at the ground and platform control boxes are pulled out.
  - Turn the key of the control box activation switch ( 72 ) to the right to energize the ground control box.
- To shut-down the machine from the ground control box :
- Turn the control box activation selector ( 72 ) key to the center.
  - Push in the E-stop button ( 15 ).

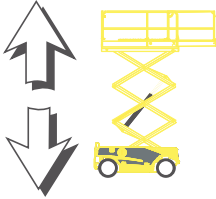

### 2.2 - MOVEMENT CONTROL



Even at low movement speeds, use the controls with caution.

***N.B.-:-RELEASING THE ENABLE SWITCH WILL STOP ALL MOVEMENTS.***

#### Ground box controls (emergency station)

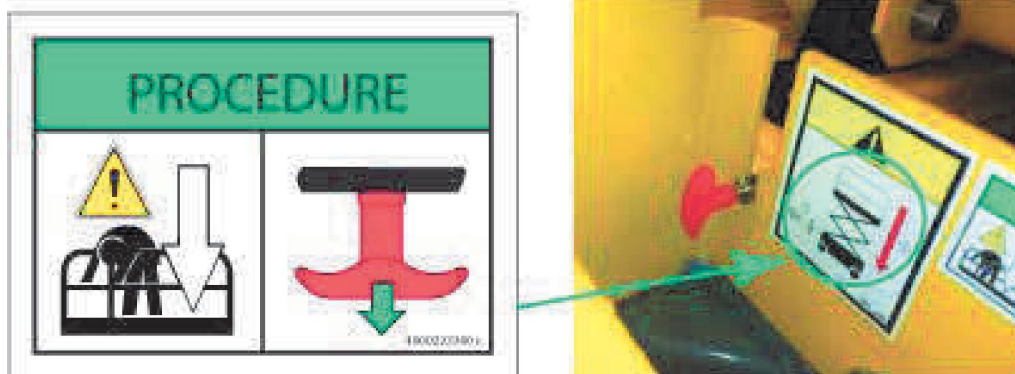
Command	Action
Platform raising / lowering 	Push the platform raising / lowering selector ( 106 ) upwards to raise the platform. <hr/> Press the platform raising / lowering selector ( 106 ) downwards to lower the platform.
Emergency lowering / Emergency platform lowering halted 	Pull the T-handle ( C52 ) to lower the platform. <hr/> Release the T-handle ( C52 ) to stop platform lowering.



Once rescue operations are complete, write an incident report.

# D - Operation instructions

Pull T-handle for emergency lowering



*N.B.-:PULLING ON TO THE T-HANDLE, IMMEDIATELY ACTIVATES THE EMERGENCY LOWERING OF THE PLATFORM.*



ALWAYS keep personnel and obstructions clear of the aerial work platform that might block the lowering. 

## 2.3 - ADDITIONAL CONTROLS FROM THE GROUND CONTROL BOX

For the machines equipped with beacon light :

- Push the beacon light selector switch ( 24 ) to the right to turn ON the beacon light.
- Push the beacon light selector switch ( 24 ) to the left to turn OFF the beacon light.

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# D - Operation instructions

## 3 - Platform control box

### 3.1 - TO START AND STOP THE MACHINE

To start the machine :

At the ground control box :

- The E-stop button on the ground control box must be in ON position (pulled out / activated).
- Turn the key on the control box activation selector switch ( 72 ) to the left to energize the platform control box.

At the platform control box :

- Pull the E-stop button (46).
- Press the engine starter button ( 230 ) to start the machine (Wait until the pre-heating light ( 51 ) goes off before starting the engine).





To stop the machine :

- Press the engine OFF button ( 230 ).

### 3.2 - DRIVE AND STEER CONTROL








Activate the controls and the Enable Switch simultaneously to perform the various movements. Except for stabilizing movements.

Command	Action
Driving	 Move the drive joystick ( 108 ) forwards to drive the machine forwards.
	 Move the drive joystick ( 108 ) backwards to drive in reverse.
Front-axe steering	 Push the front-axe steering selector thumb switch ( 108 ) to the right to steer to the right.
	 Push the front-axe steering selector thumb switch ( 108 ) to the left to steer to the left.

***N.B.-:THE RELEASE OF THE SELECTORS AND (OR) JOYSTICKS CAUSES ALL MOVEMENT TO STOP.***

# D - Operation instructions

## Outriggers controls

Command		Action
Stabilizer extension/retraction		Push the central stabilizer extension/retraction selector (250) downwards until the machine is stable ( LED lit). Push the central stabilizer extension/retraction selector (250) upwards until the stabilizers are fully retracted ( LED off).
Front left stabilizer extension/retraction		Push the front left stabilizer extension/retraction selector (246) downwards until the stabilizer is braced against the ground ( LED lit). Push the front left stabilizer extension/retraction selector (246) upwards until the stabilizer is fully retracted ( LED off).
Front right stabilizer extension/retraction		Push the front right stabilizer extension/retraction selector (247) downwards until the stabilizer is braced against the ground ( LED lit). Push the front right stabilizer extension/retraction selector (247) upwards until the stabilizer is fully retracted ( LED off).
Rear left stabilizer extension/retraction		Push the rear left stabilizer extension/retraction selector (248) downwards until the stabilizer is braced against the ground ( LED lit). Push the rear left stabilizer extension/retraction selector (248) upwards until the stabilizer is fully retracted ( LED off).
Rear right stabilizer extension/retraction		Push the rear right stabilizer extension/retraction selector (249) downwards until the stabilizer is braced against the ground ( LED lit). Push the rear right stabilizer extension/retraction selector (249) upwards until the stabilizer is fully retracted ( LED off).

***N.B.-:-THE RELEASE OF THE SELECTORS AND (OR) JOYSTICKS CAUSES ALL MOVEMENT TO STOP.***

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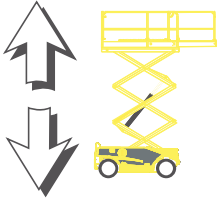
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## 3.3 - MOVEMENT CONTROL

Command	Action
Platform raising / lowering	Push the platform raising / lowering selector ( 95 ) upwards to raise the platform. Push the movement joystick ( 108 ) forwards to raise the platform.
	Press the platform raising / lowering selector ( 95 ) downwards to lower the platform. Push the movement joystick ( 108 ) backwards to lower the platform.

## 3.4 - ADDITIONAL CONTROLS

- Horn : Push the horn selector ( 62 ) to the right to sound the horn. The horn stops when the selector switch is released.

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## - Operation instructions

### 4 - Rescue and emergency procedures

#### 4.1 - IN CASE OF POWER LOSS

In case of loss of the main power source, lower the basket (or platform) using the T-handle on the chassis.

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.
- 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.
- 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 FROM THE PLATFORM. WAIT FOR ASSISTANCE TO LEAVE THE CRADLE SAFELY.***

#### 4.2 - 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 personnel at ground level needs to obtain rapid and direct access to operating functions.

Lower the platform using the T-handle on the chassis.



Once rescue operations are complete, write an incident report.

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