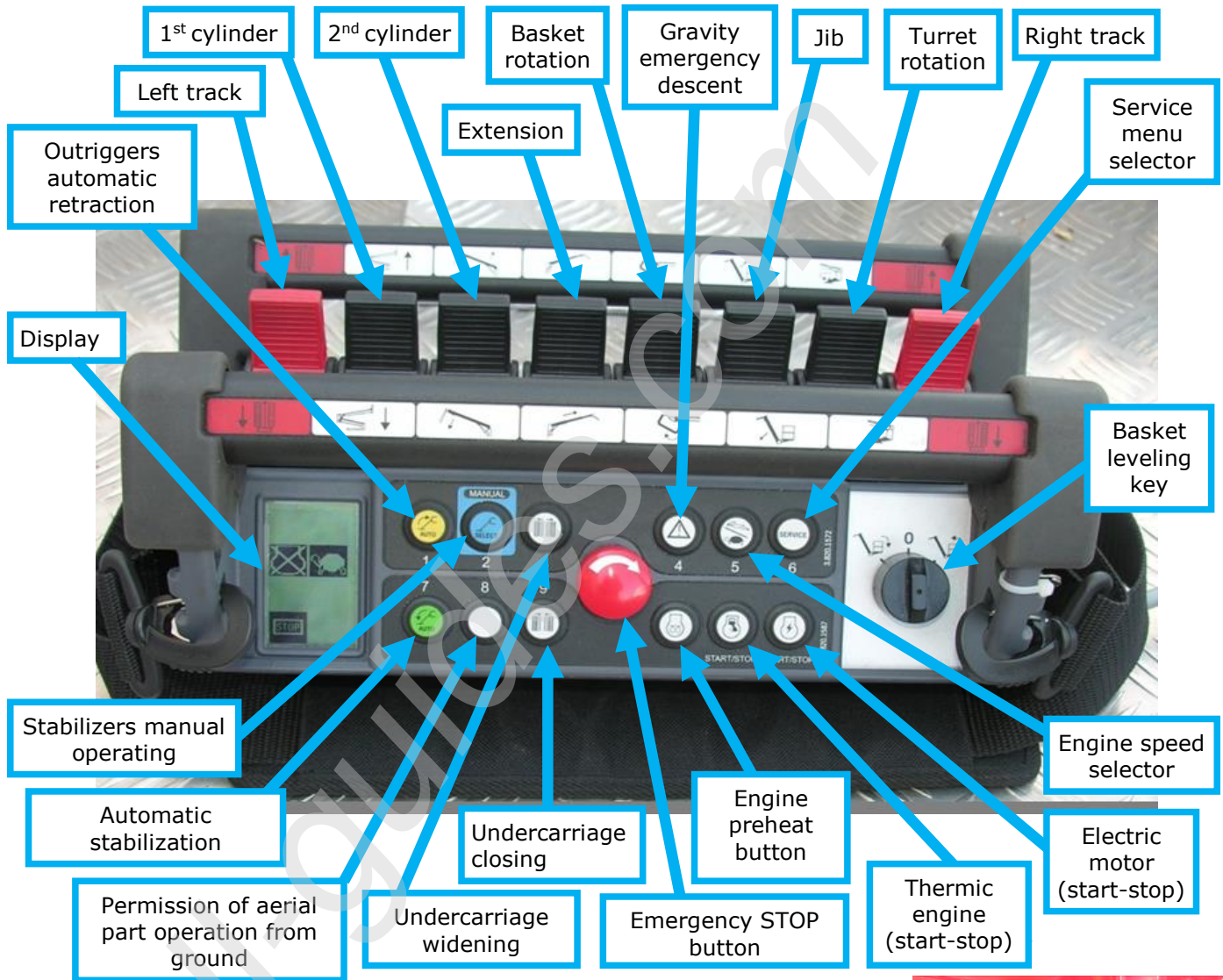




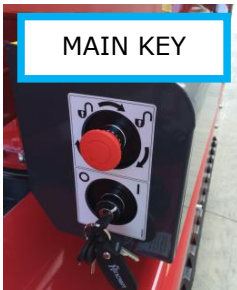
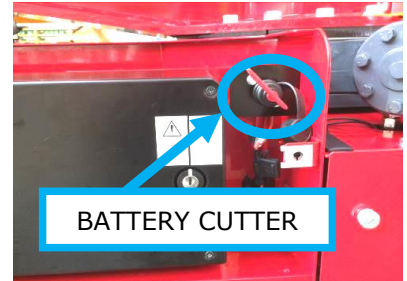
ATTENTION: THIS BOOKLET DOESN'T SUBSTITUTE THE OPERATION AND MAINTENANCE MANUAL. IT'S NECESSARY TO READ CAREFULLY AND UNDERSTAND THE OPERATION AND MAINTENANCE MANUAL BEFORE CARRYING OUT ANY MANOEUVRE WITH THE MACHINE.

QUICK INSTRUCTIONS FOR HINOWA LIGHTLIFT 2614 PERFORMANCE



To start the machine battery cutter (under the bonnet) and main key must be turned ON, if remote control display ask to emergency STOP button must be pressed and released, as reminded by the icon here on the right side. While all the emergency stop buttons are released, thermic engine or electric motor could be activated by pressing the relevant buttons on the remote control (see picture above).

Note1: On gasoline machine when the engine is cold, once it's ignited, it's possible to warm it up pressing the "WARM UP" button on the remote control, engine will run faster for 20 seconds.



TRACKS MOVEMENTS

To move the tracks it's necessary that all the outriggers are raised from the ground. It's possible to move the tracks even if jib arm (last arm, see picture below) is opened but in this case basket should be empty, therefore the operator must be at the ground keeping the remote control on his hands. Otherwise when jib arm is closed the tracks could be moved operating from the basket.



TRANSLATION WITH JIB CLOSED IS POSSIBLE FROM THE GROUND OR FROM THE BASKET.

TRANSLATION WITH JIB OPENED IS POSSIBLE ONLY WHEN OPERATOR AT THE GROUND

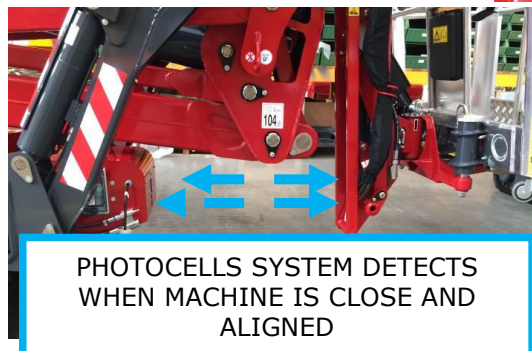
To move the tracks (with all the outriggers raised from the ground) press the tracks red joystick on the remote control. To open the jib arm press the jib movement joystick. Jib should be closed to allow outriggers movements. Tracks speed could be limited by an automatic speed control that prevent unsafe translation conditions.

OUTRIGGERS MOVEMENTS

To move the outriggers it's necessary that the machine is perfectly closed and aligned (all the arms and the jib closed). In this case the display shows the MACHINE CLOSED AND ALIGNED icon (see the picture below on the left). To move the outriggers the remote control could be in the basket support or the operator can keep it in his hands also standing on the ground.



ALIGNMENT ARROWS



PHOTOCELLS SYSTEM DETECTS WHEN MACHINE IS CLOSE AND ALIGNED



OUTRIGGERS UNBLOCKING

Outrigger to be moved need to be opened. To open each outrigger it's necessary to lift the mechanic block shown by picture lifting the handle and at the same time rotating the outrigger manually. To move aerial part machine must be stabilized.

AUTOMATIC STABILIZATION:

To stabilize the machine automatically the machine must be closed aligned (all the arms and the jib closed and turret aligned).

Pressing the green button (number 7) on the remote control the machine start the automatic stabilization procedure. That procedure will be completed only when the display will shows the MACHINE STABILIZED icon (see the picture on the right). Stabilisation is the necessary condition to allow aerial part movements.



MANUAL STABILIZATION:

It's also possible to move the outriggers one by one pressing the blue button (number 2) and following the indications given on the display. Automatic Stabilisation remain the recommended procedure.

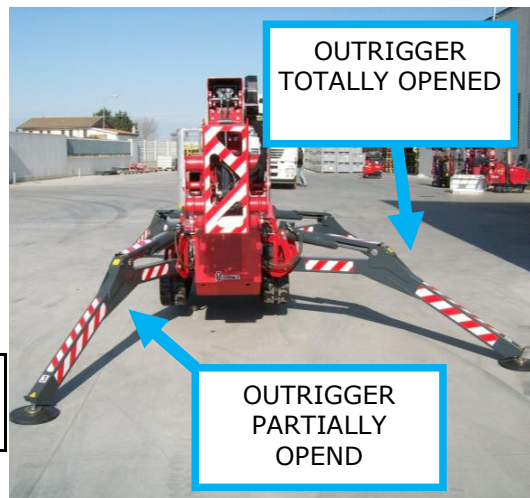
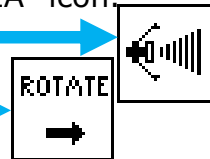
AUTOMATIC OUTRIGGERS RETRACTION:

To bring back the platform in transportation configuration (all the outriggers completely lifted), once that the aerial part is closed and aligned, keep pressed the yellow button (number 1) on the remote control.

VARIABLE STABILIZATION AREA:

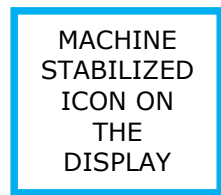
It's possible to stabilize the machine in a reduced area, indeed each outrigger could be opened totally or partially. For stability reason the turret rotation will be automatically reduced on one side in case of both outriggers of that side are not totally opened. If even one outrigger is opened only partially, display will show the "REDUCED STABILIZATION AREA" icon.

Attempting to exit the allowed working area display will show the "ROTATE" icon.

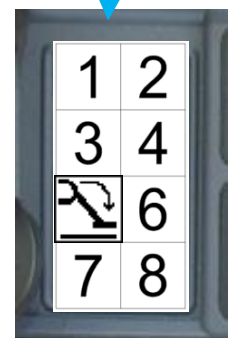


AERIAL PART MOVEMENTS

To move the aerial part the remote control must be positioned in its basket support. Aerial part movements are possible only when machine is stabilized and therefore when the MACHINE STABILIZED icon appears in position 5 of the display. If one stabilization condition is missing, when a joystick is moved the display indicates the missing condition with "FAIL" as follows.



- ST"X" FAIL indicates that outrigger n."X" is not touching the ground.
- INCL FAIL means that the machine is not levelled within the inclination clearance.
- LOAD FAIL means that basket is overloaded (more than 230Kg into the basket so more than about 280 Kg read by the input menu).
- BASKET FAIL means that the remote control is not properly placed on its basket support (it does not feel the remote control support magnet).
- PEDAL (OPTIONAL) FAIL means that pedal option is activated and pedal is not properly pressed in order to allow the movement.
- AUTOST FAIL means auto-stabilization procedure not complete properly.



After work is finished close carefully and completely all the arms and perfectly align the turret looking at the yellow arrows. Than the outriggers could be lifted and the tracks moved.

LIST OF DISPLAY ICONS

	Safety state, press and release the remote control stop		Skyguard bar pressed		Wrong remote control connection (on the basket, at the ground)		Error on board input or output
	Engine running		Both motors not running		Machine closed and aligned		Close and align machine
	Rotate aerial part on the opposite side		Electric motor running		Lift outrigger from the ground		Max tilt angle reached while driving
	Manually rotate the machine back to the allowed area		Lift 1 st -2 nd booms		Machine stabilized		Max tilt angle reached while manually stabilizing
	Minimum speed		Machine on reduced area		Open outriggers		Select which outrigger to move
	Stop button pressed		Standard speed		Maximum speed for tracks		Inclination too high to stabilize machine
	Basket overload		Press pedal (option)		Only jib movement allowed		Remove weight or remote control from basket
	Engine preheating active		Basket underload		Gravity emergency descent		Movement not allowed by gravity emergency descent
	Ropes sensor alarm		Engine RPM signal		Engine oil pressure alarm		Engine temperature alarm
	12V battery voltage low		12V battery down or 1 st -2 nd booms cables sensor anomaly		12V battery down or 3 rd boom cables sensor anomaly		
	Double line sensor error, check error menu		Handling error, only jib movement allowed		Machine fully rotated, rotate a few degree back		Turret rotation sensor system anomaly
	Safeties by-pass activated		Motor ignition not possible error, stop pressed		CAN BUS error, check CAN TIME OUT menu		Board or software wrong
	Remote connection in progress		Software updates available		Automatic periodical service reminder		Jib moved with aerial part by-pass activated, machine need to be closed
	Machine stabilized error list		Aerial part movements safeties by-pass activated		Undercarriage part movements safeties by-pass activated		Stabilization attempt from basket with remote control not properly placed
	Tilt sensor calibration required		Load cell sensor calibration required		Rotation sensor calibration required		Connect to ground cable and select the correct machine model