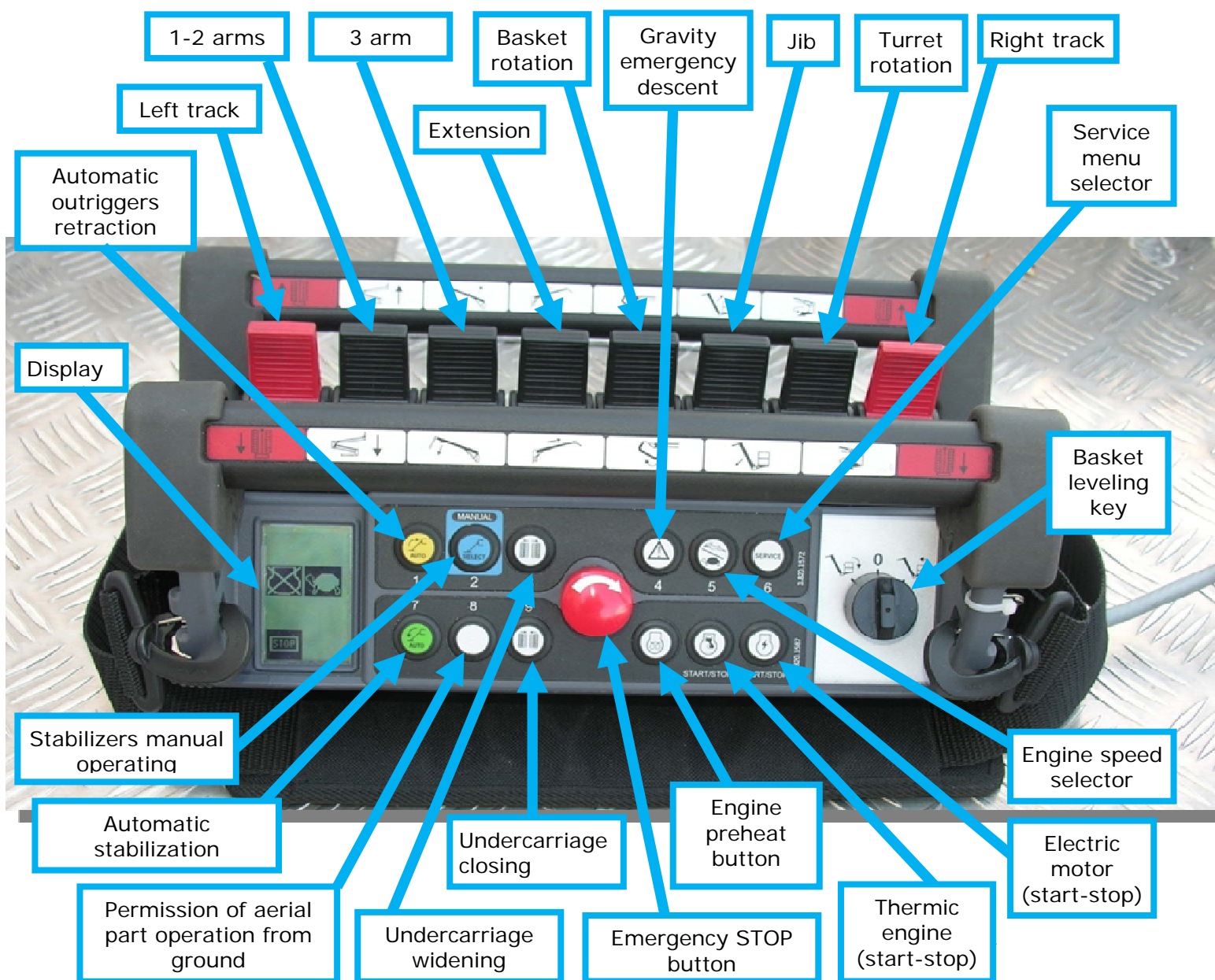




Miniexcavators – Undercarriages - Minidumpers – Skid Steer Loaders – Aerial Platforms

**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 1775 AND 2010 PERFORMANCE



To start the machine with the thermic engine, the ignition switch should be turned ON and all the STOP buttons should be released. The battery cutter must be switched ON. Thermic engine or electric motor must both be started by pressing the relevant buttons on the remote control (see picture above).



**Please note:** On gasoline engine platform when the engine is cold, pre-heat it pressing the "PREHEAT" button on the remote control, engine will run faster for 20 seconds.

### MOVING THE TRACKS

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.

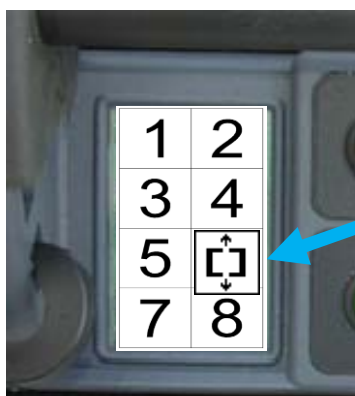
TRANSLATION WITH JIB OPENED IS POSSIBLE ONLY WHEN OPERATOR AT THE GROUND

TRACKS SPEED COULD BE LIMITED BY AN AUTOMATIC SPEED CONTROL THAT PREVENT UNSAFE TRANSLATION CONDITIONS

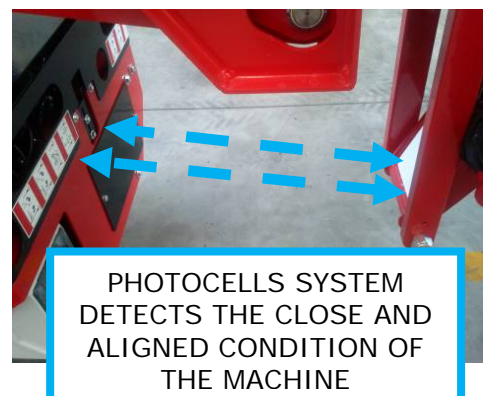
To move the tracks (with all the outriggers raised from the ground) press the tracks red joystick on the remote control. To open the jib arm press the jib movement joystick. Jib should be closed to allow outriggers movements

### MOVING THE OUTRIGGERS

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). 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.



MACHINE CLOSED AND ALIGNED ICON ON THE DISPLAY



PHOTOCELLS SYSTEM DETECTS THE CLOSE AND ALIGNED CONDITION OF THE MACHINE

### AUTOMATIC STABILIZATION:

To stabilize the machine automatically the machine must be closed aligned (all the arms and the jib closed and turret aligned). Keeping pressed 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 shows the MACHINE STABILIZED icon (see the picture on the right). Stabilisation is the necessary condition to allow aerial part movements.



### MANUAL STABILIZATION:

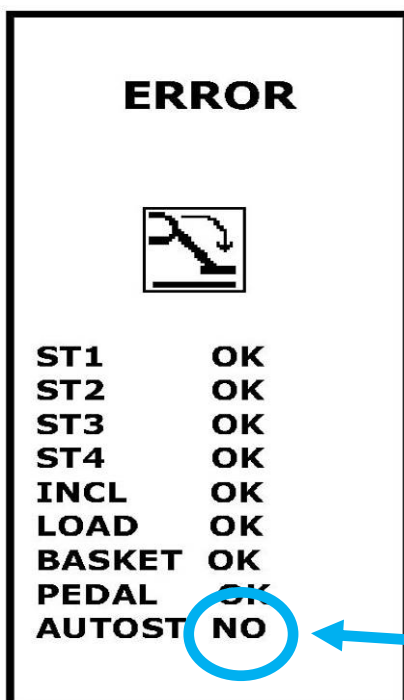
It's also possible to move the outriggers one at a time pressing the blue button (number 2) and following the indications given on the display. Automatic Stabilisation remain the recommended procedure.

### 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.

### MOVING THE AERIAL PART

Aerial part movements (except for the jib arm) are possible only when machine is stabilized and therefore when the MACHINE STABILIZED icon appears in position 5 of the display. To move the aerial part the remote control must be positioned in its basket support. If a stabilization condition is missing, when a joystick is moved the display indicates the missing condition with NO as follows.



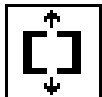






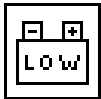
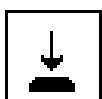
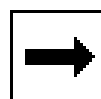




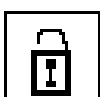



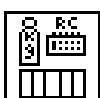


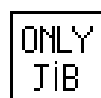



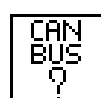





- ST "n": if "NO" indicates that the outrigger "n" is not touching the ground
- INCL: if "NO" indicates that the machine is not properly leveled
- LOAD: if "NO" indicates that the weight in the basket exceeds the 230 kg
- BASKET: if "NO" indicates that the remote control is not properly positioned in its basket support
- PEDAL (optional): if "NO" indicates that pedal has to be pressed to allow the aerial part movements
- AUTOST: if "NO" indicates that automatic stabilization procedure was not properly completed

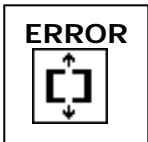
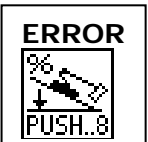
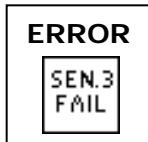
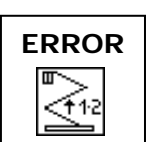

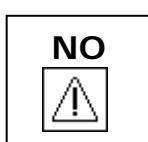
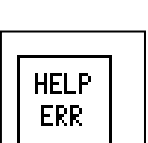
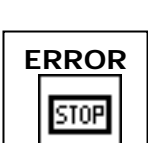
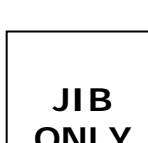
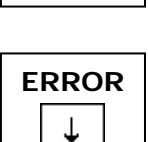
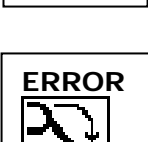
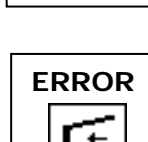
STABILIZATION CONDITION MISSING

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**

	Thermic engine running		Electric motor running		Machine closed and aligned		Machine stabilized
	Minimum speed		Standard speed		Maximum speed for the tracks		Emergency stop pressed
	Gravity emergency descent		Battery voltage low		Press pedal (option)		Select a control
	Overload in basket		Weigh in basket too low		Engine preheating active		Lift 1 and 2 arms
	Safety by-pass active		Software updates available		Cables sensor anomaly		Inclination too high to stabilize machine
	Remove weight or remote control from basket		Inclination too high to drive safely		Automatic periodical service reminder		Jib only possible movement
	Control error menu		RPM signal missing		Board or software wrong		CAN BUS signal missing
	Cables sensor missing <i>Only LL20.10</i>		Close aerial part		Lift outrigger from the ground		

**SELF DIAGNOSYS : LIST OF POSSIBLE ERROR MESSAGES ON THE DISPLAY**

	Close and align the machine		Inclination too high to move tracks.		Error occurring on the on 3 arm cylinder sensor
	It is necessary to lift 1-2 arms		Overload in basket		Movement not allowed by gravity emergency descent
	Check Error menu		An emergency stop button is pressed		It is possible to move only the JIB
	Press the pedal <i>(Option)</i>		Lift from the ground the outriggers		Error in sensor on extension arm <i>Only LL20.10</i>