

# ferret 125

## shortform operating instructions



**all terrain access**

This book is designed as a guide to enable you to start work quickly and safely. It is not intended to replace the full manufacturer's operating instructions (a copy of which should be with your machine) which should be read and understood by anyone operating the machine.

## **SAFETY TIPS**

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### **ALWAYS**

- Inspect your machine before use.
- Check all operations including ground controls.
- Check ground conditions.
- Check clearance from overhead obstructions (power cables, building projections etc).
- Plan your task/job.
- Use sole boards under your outriggers at all times regardless of ground conditions.
- Stabilise and level machine before use.
- Wear a safety harness connected to a suitable anchorage point inside the platform.
- Operate all controls smoothly.
- Warn other people that you are there by means of flashing lights, sign and cones.
- MAKE SAFETY YOUR No.1 PRIORITY.

### **NEVER**

- Use an unsafe machine.
- Use an access platform to hoist loads like a crane.
- Overload cage/platform.
- Operate in strong winds (Check manufacturer's recommendation).
- Rest the cage on a structure or object to gain extra support.
- Attach your safety harness to a structure outside of the platform.
- Throw or drop anything from the platform.
- Use boxes, ladders or stand on handrails to gain additional height, if you can't reach, you need a bigger machine.
- Let an untrained person operate the access platform.
- Take unnecessary risks (hospitals and graveyards are full of dead heroes!)

**In the unlikely event that your machine develops a fault  
please contact the Facelift Tech Team on 01444 881100**

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## GENERAL USER INSTRUCTIONS

In order to fulfil safety conditions, strict adherence to the instructions must be observed before operating lift or boom.

**Operators manual must be read carefully.**

**All warnings and labels must be read carefully.**

**Only persons older than 18 years are allowed to use the lift.**

**The operator must know all the functions of the lift as well as the maximum lifting capacity, loading instructions and safety instructions.**

**When the wind speed is equal to or greater than 12.5m/s – 28mph the use of the lift must be discontinued immediately.**



**THE LIFT IS NOT TO BE USED NEAR ANY VOLTAGE CARRYING PARTS OR DEVICES. DO NOT DRIVE ANY PART OF THE BOOM CLOSER THAN 5 METERS/17 FEET DISTANCE FROM UNINSULATED CABLES OR OTHER VOLTAGE CARRYING PARTS OR DEVICES.**

## SAFETY INSTRUCTIONS

The operator must know all the safety requirements and he must know how to use the control panel as well as the control valves before operating the Lift or Boom.

- 1) The maximum weight on the platform is not to be exceeded under any circumstances.
- 2) Weight must be equally distributed on the platform. Ensure that additional weight does not shift on the platform.
- 3) Ensure that the lift is used on dry, solid, level ground only. If the ground is hard enough, it can carry min. 3kg/cm .
- 4) Do not use a ladder, chair, stool or by any other means increase reach capability of the machine.
- 5) Do not stretch or reach out over the handrails.
- 6) During welding work, no part of the lift is allowed to be used as an earthing conductor.

### CAUTION!

In order to avoid un-permitted use of lift, turn the engine switch to the OFF position and press the emergency-button down. Take both the Honda/Kubota Engine keys and the Battery Disconnect key with you.



**BEFORE LIFTING, SET THE SUPPORT OUTRIGGERS.  
ALWAYS USE THE SUPPORT OUTRIGGERS  
LIFTING WITHOUT SUPPORTS IS NEVER  
ALLOWED – DANGER!**

## SAFETY EQUIPMENT

All High Set – lifts are constructed and built according to international safety standards. They are CE – certificated.

### UNSTABLE POSITION OF THE LIFT

In principle the machine is allowed to be used only on dry, solid, level good carrying ground. In order to bring the machine back to the safety position, the platform must be fully lowered down first.

Check the horizontal position with the level, this is mounted on the top of the upper boom.

### LEAKAGE IN THE HYDRAULIC HOSES

All the cylinders have built-in load holding valves. These prevent lowering of the platform or movement of outriggers in the event of leakage in the hydraulic circuits.

### EMERGENCY LOWERING

Both lifting cylinders have built-in electric emergency lowering valves. They are marked with a sticker 'EMERGENCY LOWERING'. The rotation cylinder has it's manual relief valve on the right hand side of the driving base. After you have opened the emergency lowering valves, the steering valves must be used in order to lower the booms. **ALWAYS STAND CLEAR OF MOVING PARTS!**

### EMERGENCY STOP IN CONTROL PANEL

By pressing the red coloured button all functions will be stopped including the engine. However the electrical system will continue to operate.

**ATTENTION:** Do not forget to release the emergency button if you wish to re-start the engine.

## SET UP CONTROL SYSTEM

All models are equipped with a set up control system which prevents lifting of the booms if the outriggers are not correctly deployed. This means that the booms can be operated only when the lift has been set up safely.

The system consists of:

- 4 pcs. pressure switches, installed in the pressure lines that go from the outrigger control valve to the outriggers (1 switch/line).
- two limit switches, one is installed beside the transport support of the upper boom and one under the switch SW1 (see quick tips).
- relays (2 pcs.), which are in the connection box at the front end of the chassis (inside).
- indicator lamp for the support position of the outriggers (lit when the outriggers are correctly deployed); beside the outrigger control levers.

The system works as follows:

- When deploying the outriggers, they must be driven down so that the wheels/tracks lift up off the ground. When the outriggers are correctly deployed the indicator lamp will switch on and the booms can be lifted.

- If the operator tries to lift the booms when the outriggers are not correctly deployed, the motor will stop immediately when the operator moves the level SW1 to the lifting (platform) position.
- If this happens, the operator has to move the SW1 back to the Outrigger position (down) and re-start the motor by pressing the START button in the platform.

Before the booms can be lifted, the outriggers must be correctly deployed so that the indicator lamp illuminates. Only once the indicators are lit can the booms be lifted. For setting the outriggers also read Quick Tips.

**CAUTION!**

**THE SET-UP CONTROL MAY GIVE A FALSE INDICATION IF THE OUTRIGGER IS FULLY DEPLOYED AND NOT TOUCHING THE GROUND.**

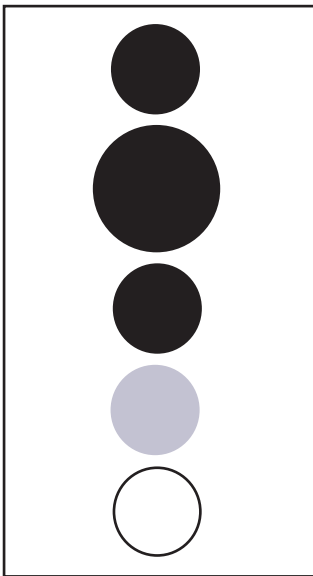
The Set-Up Control only works properly if all outriggers are supporting weight and placed firmly on solid ground!

Before lifting, ensure all outriggers are firmly placed on the ground.



**ALWAYS USE SUPPORT OUTRIGGERS  
LIFTING WITHOUT SUPPORTS IS NEVER  
ALLOWED – DANGER!**

**PLATFORM CONTROL PANEL**



Stop Switch – Use this switch to stop the motor

Emergency Stop Button – By pressing this button all functions of the lift will be stopped.

Start Switch – Use this switch to start the motor.

Glow Plug Light (orange) – Illuminates when the start button is pressed.

Emergency Lowering Button – By pressing this button the electric valves in the lifting cylinders are open and the booms can be lowered by pulling the boom steering valves.

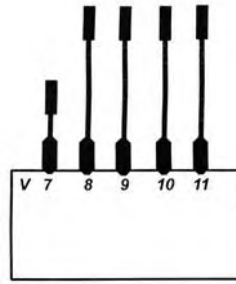


S5 Battery Disconnect Switch – Use this switch to connect/disconnect the battery from the Ferret.

**PLATFORM HYDRAULIC CONTROL VALVES**

V7 – Platform Level Control. Use this lever to level the platform

V8 – Hydraulic Telescope Control. Push forward to decrease telescope. Pull back to increase telescope.



V9 – Rotational Boom Control. Push forward to rotate to the right. Pull back to rotate to the left.

V10 – Upper Boom Control. Push forward to increase height. Pull back to decrease height.

**OPERATING INSTRUCTIONS**

The operator must not use the lift until he/she has carefully studied the operators manual. One must be sure that he/she can operate the lift in accordance with all the safety requirements.

**Before starting check that:**

1. **S5 Battery disconnecting switch is ON**
2. **Emergency button is released**
3. **SW1 is in position 2 or 3 (See quick tips)**

1. Starting the Ferret:
  - A. To Start the Kubota Engine.
    - Turn the Kubota key and the Battery switch to the ON position.
    - Release the emergency button on the control panel.
    - Start the engine by pressing the START button. Press and hold for 10 seconds until the plug light extinguishes and hold until the engine starts. (see also the Kubota engine operators manual).
  - B. To Start the Electric Motor
    - Turn the Kubota key to the OFF position
    - Connect AC voltage to the plug, located on the left side of the chassis.
    - Bump (Press for a millisecond) the START button in the platform.
2. Use the hydraulic control valves in accordance with the instructions above. and the quick tips opposite.



**BEFORE LIFTING SET THE SUPPORT OUTRIGGERS.**

**ALWAYS USE SUPPORT OUTRIGGERS!  
LIFTING WITHOUT SUPPORTS IS NEVER  
ALLOWED – DANGER!**

**NOTICE: THE MAXIMUM CAPACITY OF THE  
FERRET IS 135KG/330 LBS.**



**NOTICE: WHEN NOT USING THE LIFT, MAKE SURE TO  
PUSH THE EMERGENCY BUTTON ON THE CONTROL  
PANEL TO THE DOWN POSITION.**

**TURN THE ENGINE SWITCH TO THE OFF POSITION  
AND TAKE THE KUBOTA ENGINE AND BATTERY  
DISCONNECT KEYS WITH YOU.**

**DAILY INSPECTION**

The following must be inspected daily prior to commencement of work:

- ground
- supports
- horizontal levelling
- emergency button
- emergency lowering
- control elements
- driving area
- platform
- oil leakages
- working area

**LACK OF FUEL/DIESEL (OR ELECTRICITY)**

Both lifting cylinders have a built-in emergency lowering valve. They are marked by a sticker 'EMERGENCY LOWERING' as well as the push button at the platform. The rotation cylinder has its relief valve on the right hand side of the driving base. At the same time as you are pushing the Emergency Lowering button on the platform you must use the steering valves in order to lower the booms.

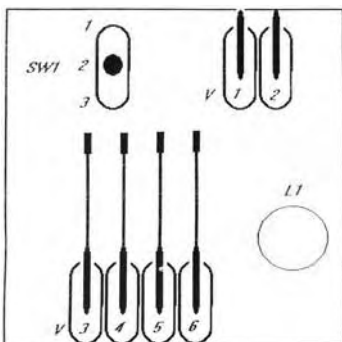
**ALWAYS STAND CLEAR OF MOVING PARTS!**

**CHANGING THE WORKING STAND**

Observe the following points:

- 1) DO NOT drive over any type of bridges if they may not support the total weight of the lift.
- 2) In principle the machine is only to be used on dry, solid, level and good carrying grounds.
- 3) Be sure that the ground in the whole driving area is suitable and good enough to support the machine.
- 4) Working materials and tools MUST be secured against rolling and/or sliding.

**QUICK TIPS**



SW1 Position 1 – Hydraulic flow diverted to PLATFORM

SW1 Position 2 – Hydraulic flow directed to DRIVE WHEELS

SW1 Position 3 – Hydraulic flow directed to OUTRIGGERS

V1 – LEFT DRIVE WHEELS (push forward to go forward, pull back to go back).

V2 – RIGHT DRIVE WHEELS (push forward to go forward, pull back to go back).

V3 – LEFT FRONT OUTRIGGER (push forward to raise, pull back to lower).

V4 – RIGHT FRONT OUTRIGGER (push forward to raise, pull back to lower).

V5 – LEFT REAR OUTRIGGER (push forward to raise, pull back to lower).

V6 – RIGHT REAR OUTRIGGER (push forward to raise, pull back to lower).

L1 – SET-UP CONTROL INDICATOR LAMP (illuminates when platform can be raised).

**TO OPERATE**

- 1) Place SW1 in position 2 (the MIDDLE position).
- 2) Use V1 & V2 to drive the Ferret to the work area.
- 3) When you are at the work area, observe the bubble level on the boom arm in order to determine how to level the Ferret, place SW1 in position 3 (the DOWN position).

**NEVER OPERATE ONLY ONE OUTRIGGER AT A TIME.**

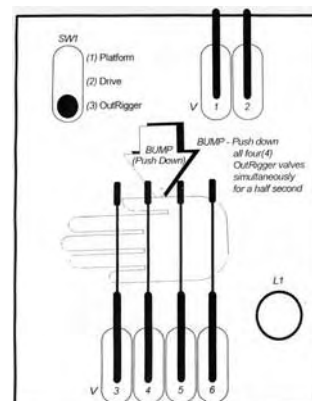
**ALWAYS OPERATE TWO (2)  
OUTRIGGERS SIMULTANEOUSLY.  
(V3 & V4) OR (V5 & V6) OR (V3 & V5) OR (V4 & V6)**

- 4) Gently lower all outriggers so that the pads barely touch the ground. – DO NOT RAISE THE MACHINE AT THIS POINT!
- 5) Always level the side-to-side bubble first. Try to raise the machine only enough to get the tyres off of the ground.
- 6) Use (V3 & V5) or (V4 & V6) to level the side-to-side bubble.
- 7) Use (V3 & V4) or (V5 & V6) to level the front-to-back bubble.

**TRYING TO RAISE A BOOM WITHOUT L1 ILLUMINATED  
WILL CAUSE THE MOTOR TO STOP RUNNING.**

- 8) With ALL outriggers firmly on the ground and the Ferret properly levelled:
- 9) Bump all the outriggers for half a second as shown below.
- 10) L1 will illuminate when equal weight/pressure is sensed on all outriggers.
- 11) Place SW1 in position 1 (the UP position) to activate BOOM CONTROLS.
- 12) Ensure that the Ferret is not near electrical wires and that the base is stable before raising the boom.

**NOTE:** To re-illuminate L1, place SW1 in position 3, Start the engine or electric motor by pressing the start button, BUMP (push down) (V3, V4, V5, V6) all at the same time for NO MORE THAN A HALF SECOND. Then repeat steps 9-10.



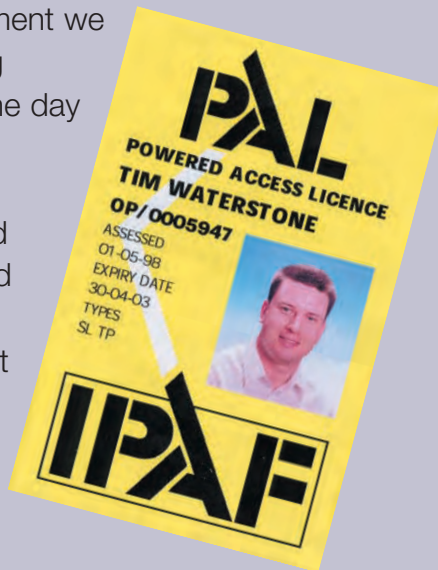




# operator training centre

When hiring access equipment we strongly recommend taking advantage of one of our one day operator training courses

As Facelift is an accredited IPAF (Independent Powered Access Federation) training centre you can be sure that your staff will be trained to a high standard and receive an internationally recognised qualification.



Courses can take place on your own premises or at one of our training centres, situated in Hickstead, Iver, Southampton and Liverpool.

We can train your personnel on any of the following equipment:

- (SL) Scissor Lift
- (SPB) Self Propelled Boom
- (VMP26) Truck/Van mounted to 26m
- (VMP200) Truck mounted over 26m
- (VPP) Vertical Personnel Platform
- (TP) Trailer/Push around

The one day course\* covers site safety, practical demonstration, sole usage and site risks and includes a theory test.

\*(two day course for VMP200)

Successful candidates are issued with the IPAF PAL card, widely accepted by both the CITB and Health And Safety Executive.

For further information or to arrange a training course call us today on:  
0800 0 72 55 72

