SAFETY CHECKLIST	
CHECK FOR LEAKS (BATTERY ACID, HYDRAULIC OIL,)	
CHECK FOR FOREIGN OBJECTS ON ALL SURFACES	
NO MISSING OR LOOSE PARTS (BOLTS, NUTS, CONNECTORS,)	\Box
CHECK FOR CRACKS, BROKEN PARTS, DAMAGED PAINT	
STEERING SYSTEM OPERATES PROPERLY	
CHECK CONDITION OF THE TYRES (CUTS, EXCESSIVE WEAR,)	
CONTROL ELEMENTS IN PANEL ARE SET TO NEUTRAL POSITION	
CHECK THE STATE AND CONNECTION OF THE ELECTRIC WIRES AND CABLES	
CHECK LEAKS ON HYDRAULIC UNIT AND PUMP	
TEST OPERATION OF THE UPPER AND LOWER EMERGENCY STOP BUTTONS	
TEST OPERATION OF THE TILT SENSOR	
TEST VISUAL AND AUDIBLE ALARMS	
REFER TO THIS CHECKLIST BEFORE USING EACH TIME	

EQUIPMENT CARE

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong equipment for the job. Contact HSS Hire for advice.

Keep the equipment clean - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, store the equipment somewhere clean, dry and secure.

Always inspect the equipment thoroughly before use and at the start of each working day - see 'Daily Checks' for details. Be sure to keep the operating key in a safe place at all times. Never leave the key in the machine when unattended or being operated from the cage. **Keep** the manufacturer's instruction manual safe, clean and dry. Storing it in the compartment provided for the purpose. When not in use, store the equipment somewhere clean, dry and safe from thieves.

FINISHING OFF

Lower the cage as far as it will go using the cage controls.

Park the unit on level ground. Set the control panel activation key to middle position. Turn the ground control start up key to the OFF position and remove the key. Give the unit a final clean, ready for return to HSS Hire.

Retract the cage's extension if necessary, making sure that its retaining catches are fully engaged to lock it in the closed position.



... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so. Training is available at HSS Training 03457 66 77 99

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below e-mail: safety@hss.com

HSS Hire Service Group Ltd 2019 No. 81/01 Oakland House, 76 Talbot Road, Old Trafford, Manchester, M16 0PQ Web Site: www.hss.com

NEVER use the machine as a crane, goods lift or elevator. NEVER use the machine for any other purpose than to transport people, their tools and material to the desired

place. **NEVER** drive fast in narrow or badly cleared areas. To climb up or climb down from the platform the machine must be completely stowed.

DO NOT use the machine during storms as there is a high risk of lightning.

Check the equipment's condition before use and at regular intervals thereafter (see 'Safety Checklist'). If it shows signs of damage or excessive wear, DO NOT USE IT. Return it to HSS Hire.

Operating & Safety Guide 81/01





Scissor L

8M

Electric Scissor lift, ideal for the work in height of up to 8 meters.



Code 69982

breeze conditions. If the wind exceeds medium breeze force use of the lift should be ceased.

Wind Description	Beaufort Scale	Beaufort No.	Speed in m.p.h	Speed in m/sec
Medium Breeze	Raises dust and loose paper, twigs snap off	4	8-12	4-6
Strong Breeze	Large branches in motion, telegraph wires whistle	6	25-31	11-14
Gale Force	Walking is difficult	8	39-46	17-21

For additional information please refer to the manufacturer's operator's manual.

PLATFORM CONTROL PANEL

GROUND CONTROL PANEL

Fault indicator

Platform

overload indicator

Pull rod for emergency

Platform elevation /

lowering selector

When the power indicator is ON machine is

When the indicator is flashing - machine is

Press the driving selection button to activate

Push the drive joystick forwards to move the

Push the drive joystick backwards to reverse

Push the front-axle steering selector switch to

Push the front-axle steering selector switch to

machine forwards or platform elevation.

the machine or platform lowering.

the right to steer to the right.

the left to steer to the left.

Platform control panels controls:

Movement

joystick

selector

3-position

Emergency stop.

selector

button

Hour meter-Battery

图 空

W-39

Ground or Platform

control key switch

Power

Driving

Steering

4

charge indicator

switched on.

faulty

driving.

Horn

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire. There is a serious risk of personal injury if you do not follow all instructions laid down in this guide and operators manual.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior

to the use of this equipment. This equipment should only be used by an operator who has been deemed competent to do so by his/her

employer. This equipment should be used by a competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire. Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

Wear sensible, protective clothing and footwear offering good grip, plus a hard hat. Avoid wearing loose garments or jewellery and tie back long hair that could get in your way.

You are advised to wear a personal restraint harness when using this equipment. Available for sale from HSS Hire.

NEVER erect or use this equipment near overhead power lines or similar hazards. Ensure the equipment is used only on firm, level ground.

DO NOT use it on slopes, temporary structures or on soft ground where there is a risk of subsidence. DO NOT work near flammable gases or liquids, petrol or

paint thinner fumes for example. Keep combustible materials at a safe distance - at least 5m. DO NOT operate the unit in the presence of strong

electromagnetic fields. Make sure you know how to operate this equipment safely and are aware of its limitations before you use it. Make sure that anyone in the immediate work area is

warned of what you are doing. DO NOT exceed maximum platform load of 227 kg. NEVER operate the machine controls suddenly. NEVER place the machine against a structure.

NEVER disable the safety devices.

NEVER use the machine alone. It must be used at least by 2 operators. NEVER leave the hydraulic cylinders entirely extended

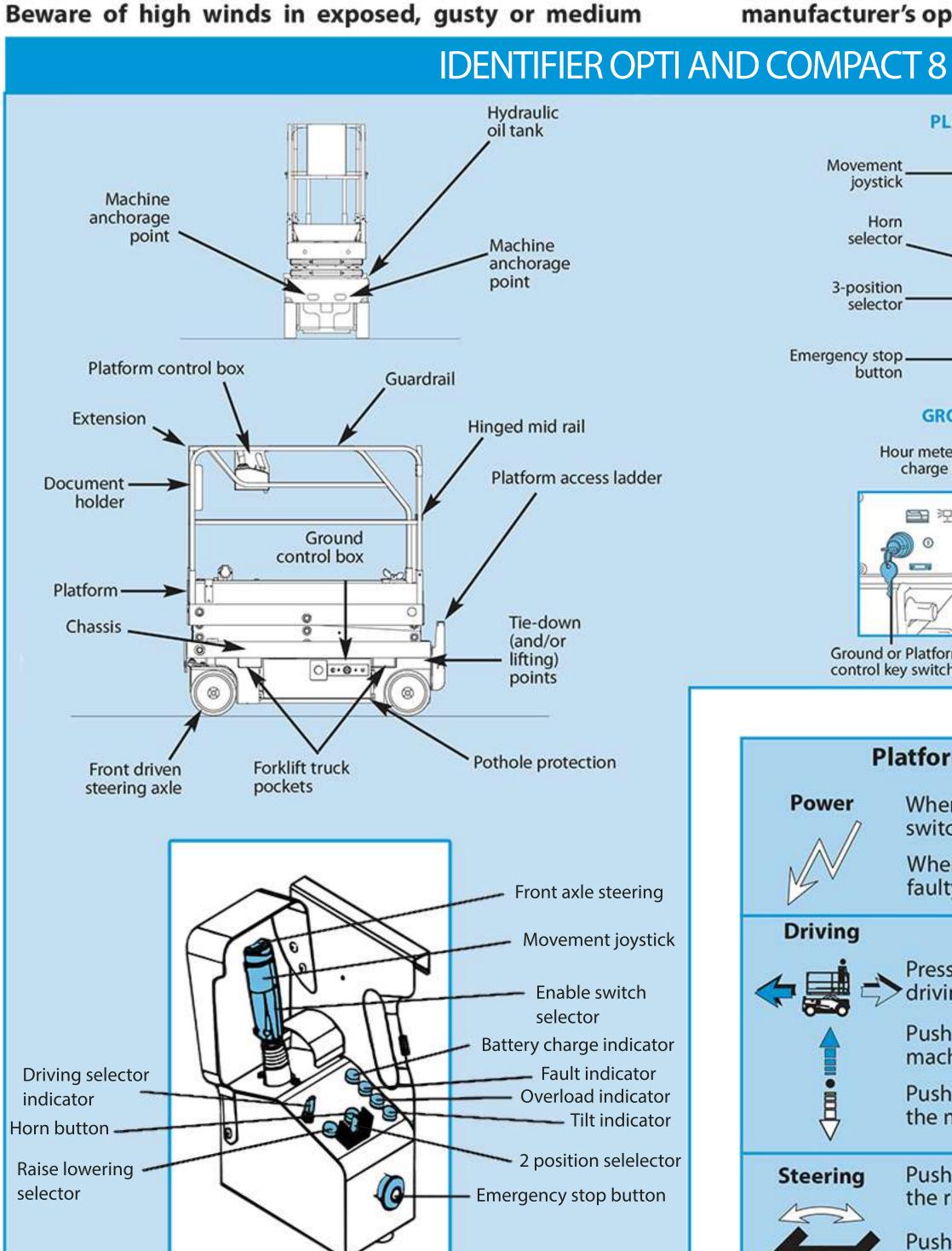
before switching off the machine, or during an extended stop period. NEVER use the machine with material or objects

suspended from the guard-rail. DO NOT operate the machine at night unless there is sufficient external lighting. Lighting is available for hire from HSS Hire.

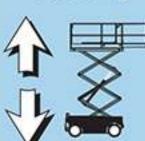
NEVER use the machine with material or objects suspended from the guard-rail. NEVER use the machine with the elements that can

increase the wind force (e.g. placards, signs, boards). NEVER increase the working height by using attachments (ladders).

NEVER use the guardrail as the means of access to climb in or out of the platform. The cage can be easily accessed in its low position.



Platform elevation / lowering Push the platform switch. Push the movement joystick forwards to raise the platform.



Push the platform switch. Push the movement joystick backwards to lower the platform.

Drive speed



Set the drive speed selector switch for highspeed driving (long distance driving, tarmac, concrete).

Set the driving speed selector for low-speed driving (short distance, final approach, unloading from lorries).

ELECTRIC SAFETY

This equipment is powered by rechargeable, lead-acid batteries.

To recharge the batteries, connect the built-in charger to a suitable 110V supply, or to the mains via a suitable 110V transformer.

Always stand the equipment, with its battery compartments slightly open, in a well-ventilated area while recharging.

If the charger fails, or if its plug or flex gets damaged, return the equipment to your local branch of HSS Hire. Never attempt to repair it yourself.

Note that some models have a second flex designed to take a 110V extension lead and provide power to a 110V socket in the cage. Be sure to connect-up to the correct flex for recharging.

Never recharge batteries in wet or very damp conditions. There is a risk of electric shock.

Keep the charger's flex, connector and any extension leads out of harm's way. Never run them through water, over sharp edges or where they could trip someone.

Note that it is possible to operate the equipment while recharging. In this case, though, take special care to prevent explosion and minimise the risk of damage to charger, batteries and flex.

WARNING

Potentially explosive hydrogen gas is produced during battery recharging.

NEVER recharge batteries in a confined space. NEVER smoke or allow naked lights or other possible

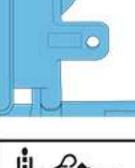
sources of ignition into the area.

GETTING STARTED

Never use this equipment until you have fully read and understood both this user guide and the supplied manufacturers manual. Familiarise yourself with the work area, checking for possible hazards such as pot-holes, ramps, slopes and overhead obstructions that could effect the safe use of the equipment.

HARNESS ANCHORAGE POINTS

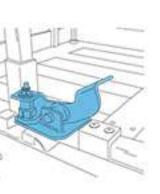
The machine is equipped with harness anchorage points, which accept a single harness per anchorage point. The anchorage points are identified by the presence of the anchorage point label.



If the local regulation imposes the wearing of a harness, use the approved anchorage

MANUAL EXTENSION

This machine is equipped with manual extension with several possible positions. To use it press the pedal then push to the required notch.

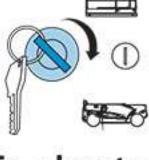


BASIC TECHNIQUES

NOTE

The overall load dimensions and weight should be placed in the centre of the platform or distributed in a uniform manner

OPERATION FROM GROUND POSITION



To start the machine pull the emergency stop button. Turn the key on the control panel activation selector switch to the right to activate the ground control panel. The indicators light up.

To elevate or lower platform push the platform elevation selector upwards or downwards as required.



To switch from the ground control panel to the platform control panel pull out the emergency stop button.

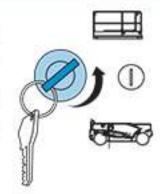
Turn the key on the control panel activation selector switch to the left to activate the platform control panel. The ground control panel controls are de-activated.

OPERATIONS FROM THE PLATFORM

WARNING

When switching from the ground control panel to the platform control panel the emergency stop button MUST BE pulled out.

In the platform control panel pull the emergency stop button. Make sure the key on the control panel activation selector is set to the left to activate the platform control panel.



EMERGENCY LOWERING

WARNING

During emergency manoeuvres controlled from the ground with extension out, it is essential to ensure that there is no obstacle under the platform (wall, beam, electric line, etc.)

Before beginning a new work period and on each change of operator, the machine must be subjected to a visual inspection and a complete functional test (see 'Safety Checklist').

All operators must become familiar and fully understand the warning labels, the emergency controls and know how to operate the machine in emergency.

The operator is obliged 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 to his/her supervisor.

Machine movements are powered by a hydraulic pump. The hydraulic pump is powered by a battery-powered electric motor. To protect the user and the machine, safety systems prevent the operation of the machine beyond its capacities.

EMERGENCY STOP BUTTONS

This unit has 2 emergency buttons - one in ground control panel and one in platform control panel.

In order to use either of them pull the emergency stop button. Turn the key on the control panel activation selector switch upwards to activate the ground control panel. The indicators light up. Push the emergency stop button. The indicators go out.

OVERLOAD INDICATOR

The overload limitation system activates once the heights exceeds 1.60m (5 ft 3 in).

If the platform load exceeds the maximum authorised load (120kg when extended otherwise 227kg), no movement is possible from the platform control box. The platform overload indicator and the buzzer

warns the operator that the overload condition exists.

To return the machine to normal operation remove some

weight from the platform.

TILT SENSOR SWITCH FUNCTION

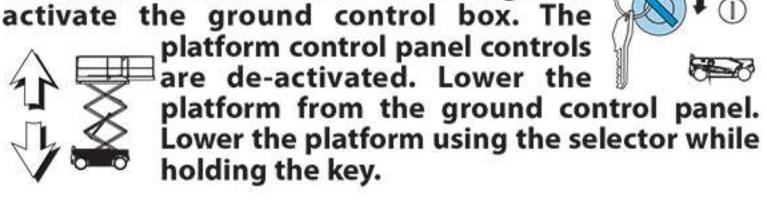
Pull the emergency stop push-buttons on the upper and lower control panels. Switch on the machine from the ground control panel. Locate the tilt sensor at front of machine. Manually tilt and maintain the tilt sensor towards the front for a few seconds. The audible beep sounds. The slope sensor prevents lifting and driving.

NOTE: With the machine unfolded, the tilt sensor gives an audible signal indicating to the operator that the platform could not rise. In this case, lower platform completely, then reposition machine on a level ground before raising platform.

Emergency lowering is required if the operator in the platform is no longer capable of controlling the movements even though the machine operates normally.

A ground operator can use the ground control panel with

Turn the key on the control panel activation selector switch to the right to



TRANSPORTING THE MACHINE

To avoid any risk of sliding during loading, you must ensure that the loading ramps can bear the load, the ramps are correctly attached and have sufficient grip. Machine must be completely stowed in order to transport it.

To climb the slope, select low driving speed. Always use a winch for additional traction and security.

The machine must be completely stowed in order to transport it.

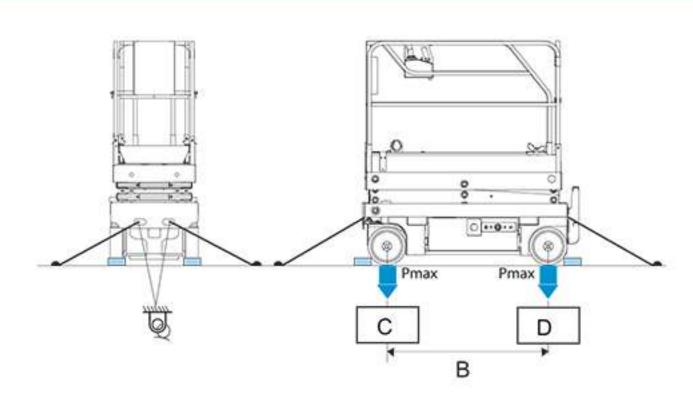
Make sure there is no load in the platform. Secure the machine to the anchorage points provided for this purpose. The guardrails must be locked and/or folded back. Extensions must be locked and maintained with lanyards.

WARNING

NEVER place yourself below or too close to the machines during loading.

Never of the tipping over of the tipping over of the

A wrong move can lead to the tipping over of the machine and cause serious bodily and material accidents.



OPERATION PRINCIPLES

All driving speeds are authorised when the machine is folded, (machine in transport position).

The maximum travelling speed is reduced when the lifting

The maximum travelling speed is reduced when the lifting height reaches 1.60m (5 ft 3 in).

In this case only micro-speed is authorised. If the tilt exceeds the authorised limit, driving is cut off.

NOTE: Steering and elevation cannot be performed simultaneously.

If the load in the platform exceeds the maximum allowed load, no movement can be activated from the platform control panels.

The platform overload indicator and the buzzer warn the operator that the overload condition exists.

To return the machine to normal operation remove some weight from the platform.

A system of protection against potholes in the road is run automatically when the platform is raised above 1.55m (5 ft 1 in). Only micro-speed is possible in this position. If the pothole protection are not extended, micro-speed and platform elevation are automatically cut.

Caution

Keep your hands and feet well away from the machine when operating from ground-level.

Your hands could get trapped in the scissormechanism and your feet could be trapped by the 'pothole protection' systems side-bars which automatically descend between the wheels to stop the machine tipping over if you accidentally drive into a pot-hole.

THE BATTERIES

The battery charger-hour recorder combines 3 functions: Battery charger status, hour meter and automatic reset.

When the battery is fully charged all green LEDs are

on. When it discharges the LEDs go out one after the other. The red LED lights up indicating the battery is completely discharged. Elevation is cut but driving is still possible.

NOTE: The automatic restart doesn't mean that the battery is fully charged. Only the indicator of the charger gives the real state of the batteries charge.

CHARGING THE BATTERIES

The on-board charger is used to charge the batteries. Battery charging starts as soon as external power supply is connected.

Green LED lights states the battery is fully charged. Yellow LED lights means it is 80% charged. The initial charging phase it indicated by red LED light.

If a fault occurs, the indicator flashes in different colours, depending on the type of fault. The audible beep sounds. In this case contact HSS Hire for assistance.

