

BASIC TECHNIQUES

The drive system and the platform raising and lowering system are both **controlled by the joystick**.

To raise the platform, press the lift function select button then squeeze the function enable trigger and carefully push the joystick forward to raise the platform.

Once the platform is at the required height, release the function enable trigger and the joystick.

To lower the platform, squeeze the function enable trigger and carefully pull the joystick back. Once the platform has descended to the required height, release the function enable trigger and the joystick.

To drive, press the drive function select button squeeze in the function enable trigger and push the joystick forward to move forwards, pull back to reverse.

If attempting to drive up a slope, press the high torque (slow / high gradient) button.

The further forward (or backward) the joystick is moved, the faster the unit will travel.

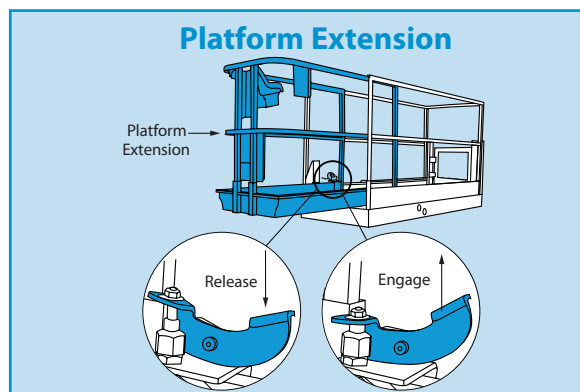
The unit is steered by operating the joystick's thumb switch to turn the wheels left or right.

A warning beeper will sound automatically whenever the unit is descending.

In an emergency, movement can be halted either by releasing the joystick or by striking the emergency STOP button.

There is a power take off (PTO) socket within the platform to enable the operator to use electric power tools. The PTO plug is located at the rear of the units base. DO NOT connect the PTO plug to a power supply when the unit is being driven.

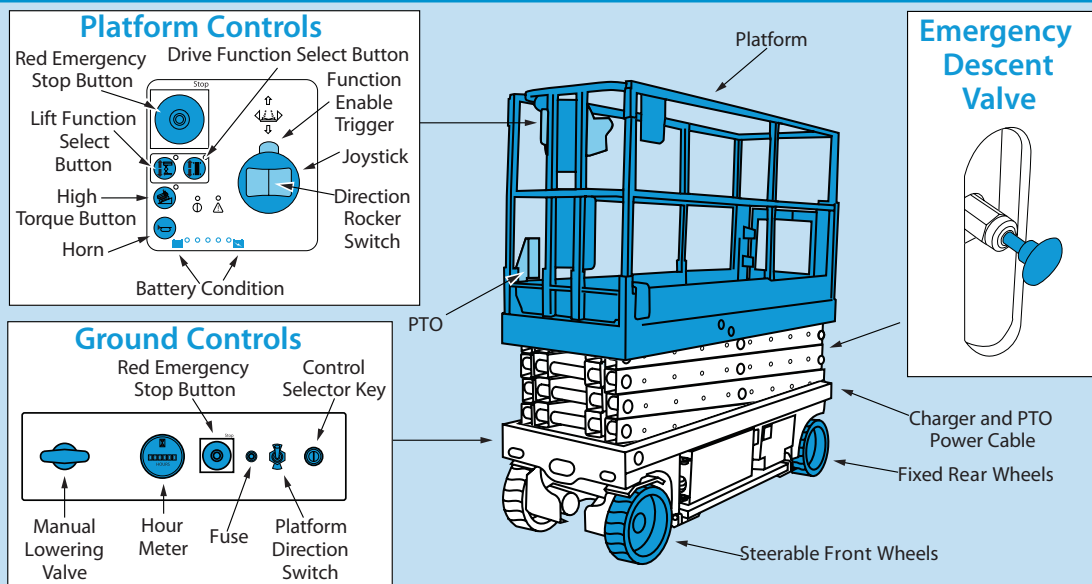
The platform can be extended to enable additional access to awkward areas. To deploy the extension, depress the platform extension release pedal with your foot and push the platform extension with the guardrail. Push the rail to move the platform forward and once the platform has been extended to the mid position, depress the platform extension release pedal and push again.



Never stand on the platform rails or use boxes or stepladders to gain extra height. Never reach too far out over the side of the platform.

Take care when driving the unit, particularly with the platform elevated and/or when reversing. Watch where you are going, especially for obstructions and other hazards – both overhead and at ground-level.

When fully lowered the unit can be driven at up to 2.2 miles per hour, when raised the speed is reduced to a maximum of 0.5 miles per hour.



Never use this lift for anything other than its intended purpose. If it will not do what you want with reasonable

Manual Descent

If the lift loses power, lower the platform to the ground as quickly as possible.

The lowering controls will be found with the ground controls on the base units' right-hand side.

The platform can be lowered by opening the manual lowering valve, simply pull the manual descent valve.

Once pulled the platform will begin to descend immediately.

Once lowered, release the valve.

Do not use the lift after a manual descent if the unit has suffered any form of mechanical failure, as the hydraulics will require re-setting. Remove the key and press all red emergency STOP buttons, then contact your local HSS Hire for a replacement unit.

EQUIPMENT CARE

ease, assume you have the wrong type or size of unit for the job. Contact your local 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 safe from thieves and unauthorised users.

FINISHING OFF

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

Park the unit on level ground then turn the ground control key to the OFF position and remove it.

Give the unit a final clean, ready for return to your local HSS Hire.



... have you been trained

The law requires that personnel using this type of equipment must be competent and qualified to do so. Training is available at HSS Training Solutions 0845 766 7799

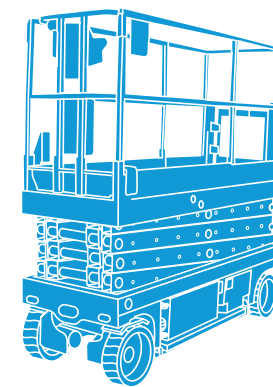
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Operating & Safety Guide LS148

HSS Hire



Narrow Aisle Scissor Lift

Battery powered narrow scissor lift with a platform height of 7.9 mtr



Code 6998I

GENERAL SAFETY

For advice on the safety and suitability of this equipment, **contact your local branch of HSS Hire.**

There is a serious risk of personal injury if you do not **follow all instructions** laid down in this guide.

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 is designed to be used by an able bodied competent adult who has read and understood these and any other accompanying 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.



Never use this equipment if you are feeling tired, ill, or under the influence of alcohol or drugs.



Wear practical, protective clothing, gloves, footwear and a protective hard hat. Avoid wearing loose garments or jewellery that could catch in moving parts, tie back long hair.



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

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.

Make sure you know how to switch this equipment OFF before you switch it ON in case you get into difficulty.

Make sure you know how to operate this equipment safely and are aware of its imitations before you use it.

Make sure that everyone is warned of what you are doing.

This machine is designed for internal use only, however, please note that **the unit can only be used where wind speed is at 0 mph.** If working in a building which has large openings where wind gusts occur, **DO NOT USE THE MACHINE.**

The maximum number of occupants must not exceed two.

Never use the lift near overhead power lines or similar hazards.

Never exceed the equipment's safe working load of 227Kg. Note that **when the extending platform is deployed, the SWL must be carefully distributed.**

A maximum of 113Kg on the extension and up to 113Kg on the main platform area.

Never operate the equipment alone. Ensure a competent adult is always within shouting range to operate the

manual descent system or come to your aid if anything should go wrong.

This equipment is NOT insulated, do not use the lift within 9 metres of any electrical power line supported from wooden poles or within 15 metres if suspended from steel towers.

Only use this equipment on firm, level ground capable of supporting its weight. DO NOT use it on slopes, soft ground or where there is a risk of subsidence.

Ensure the tyres are in a roadworthy condition. Having said that, this machine **must NOT be driven on a public highway.**

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

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

Pre-Operation Inspection

It is the responsibility of the operator to perform a pre-operation inspection.

The pre-operation inspection is a visual inspection performed by the operator prior to each work shift.

The inspection must be performed before the operator performs the function tests in **GETTING STARTED.**

Check each of the items and locations for modifications, damage or loose or missing parts.
Check for hydraulic oil leaks and correct oil level.
Check for battery fluid leaks and correct fluid level.

Check the following components for damage or missing parts:
Electrical components, wiring and electrical cables.
Hydraulic power unit, tank, hoses, fittings, cylinders and manifolds.

Tyres and wheels.
Nuts, bolts and other fasteners.
Platform entry mid-rail bar or gate and platform extension.

Platform control joystick.
Check for cracks in welds or structural components, dents or damage to the machine.

Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.

A damaged machine must never be used. If damage is discovered, the machine must not be used.

Contact your local HSS Hire for a replacement machine.

Repairs to the machine may only be made by a qualified HSS service technician.

ELECTRICAL SAFETY

Fire Warning

Batteries generate highly flammable and potentially EXPLOSIVE hydrogen gas when charging, so, until charging is over and the gas has dispersed...

ALWAYS stand the lift in a well-ventilated spot, preferably in the open air.

ALWAYS open the battery compartment cover.

NEVER smoke or allow naked lights and other ignition sources into the area.

The HSS Narrow Aisle Scissor Lift is powered by 4 x 6V DC batteries. Always fully charge before use and recharge at regular intervals.

The battery charger is built in to the unit and must be provided with a suitable 110V generated supply or powered from the mains via a suitable transformer.

Connect the supply lead to the battery charger lead found at the rear of the unit then plug the lead into the power supply and switch the supply ON.

The charger's ammeter/LED's will display the DC charging current. **Once charging is complete, the charger will automatically switch itself off.**

Never operate the lift when charging the battery.

After charging, switch OFF the power supply and disconnect the power supply lead from the charger. If the charger fails, or its power supply cable or lead becomes damaged, return the unit. Do not attempt to repair anything yourself.

Keep the charger dry at all times. Using electrical equipment in wet or damp conditions can be dangerous.



To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device) available from your local HSS Hire.

GETTING STARTED

Familiarise yourself with the work area, check for possible hazards such as potholes, ramps, slopes and overhead obstructions that could affect the safe use of the equipment.

Always read the decals attached to the lift for additional information.

Prior to use, **carry out the following sequence of tests to ensure the unit is working correctly.**

With the lift parked on level ground, turn the ground control selector key to the 'ground control' position and check that the red emergency STOP button is in the ON position. To reset the STOP button, simply pull it out.

Also check that the red emergency STOP button on the platform controls is in the ON position.

Keep your hands and feet well away from the machine when operating from ground level. Be aware of moving parts.

Move the platform direction switch up to raise the platform then down to lower it.

Raise the platform again to approximately 2 metre, then turn the ground control selector key to the 'OFF' position and press the red emergency STOP button.

Pull and hold the manual lowering valve until the platform is fully lowered, then release the valve. If the platform has lowered correctly the test is complete, if not, do not use the unit and contact your local HSS Hire for advice.

Turn the ground control selector key to the 'platform' position and check that the red emergency STOP button is in the ON position.

Open the platform door, enter the platform and make sure that the door locks shut.

Double check that the platform control red emergency STOP button is in the ON position.

Press the drive function select button then squeeze the function enable trigger and move the direction rocker switch to the left then to the right and make sure that the front wheels turn as the switch is depressed.

Now, taking great care, **squeeze in the function enable trigger** and carefully **push the joystick forward then backward and make sure the unit moves forward then backward.**

Press the lift function select button then squeeze the function enable trigger and carefully push the joystick forward to raise the platform.

Once the platform is approximately 3 metres high **release the function enable trigger and the joystick.**

Next, lower the platform to check that the safety pre-stop works.

Squeeze the function enable trigger and carefully pull the joystick back to lower the platform.

The platform should stop descending when it reaches approximately 2.1 metres from the ground.

To continue, wait 5 seconds and then squeeze the function enable trigger and carefully pull the joystick back to lower the platform to the ground.

Raise the platform 2 metres and drive the unit to check that the **unit travels at a reduced speed when the platform is raised.**

Once these checks have been made and you are satisfied that the drive controls are functioning correctly, **the lift can be controlled safely.**

Attach your safety restraint harness to the anchorage point in the platform. Please note that a fall arrest harness is not suitable for use in this unit, if in doubt, contact your local HSS Hire.