

BASIC TECHNIQUES

To operate from the cage, slide the ON/OFF switch to the ON position and wait for the battery-condition warning lights to go out. Do not operate the unit if the batteries are flat unless recharging at the same time – see ELECTRICAL SAFETY.

Operational control is achieved using the joystick; the speed of movement depending on how far the lever is pushed or pulled. Note the joystick has a 'dead-man's handle' which must be depressed for the machine to work.

To decide which part of the boom-lift the joystick controls, simply turn the function selector switch to the desired position – secondary boom, primary boom or turntable.

In an emergency, movement can be halted either by releasing the joystick or by striking the Emergency Stop button. Pull the Emergency Stop button to reset.

Emergency Descent

In the event of a general power failure, lower the cage manually.

Rotate the turntable using a spanner to align the secondary boom with the cradle at the front of the chassis, then bring the boom down by pressing its red, 'emergency descent' button. Finally, with the secondary boom resting in its cradle, press the 'emergency descent' button on the primary boom to lower the cradle back to ground-level.

Do take care though! Make sure the person operating the 'emergency descent' buttons is well clear of the descending booms and that the descent is controlled to avoid overhead hazards and other obstructions.

SAFETY IN USE

Never use this equipment in windy weather, allowing for the fact that, in blustery weather and on exposed sites or sites near tall buildings, gusts can be surprisingly strong.

If the wind speed is due to exceed 25mph (a wind strong enough to move large tree branches), fully lower the cage and wait until conditions improve. Never overload the cage. It has a maximum Safe Working Load is 215kg – roughly equivalent to two adults plus 55kg of equipment.

Do not use the equipment for work involving the application of excessive or repetitive lateral forces. In addition, never raise/lower heavy loads from the cage or lean ladders against it.

Never stand on the cage rails or use boxes and so on to gain extra height. And never reach too far out over the side of the cage.

Always make sure the cage's gate-rail is lowered before elevating the cage.

For maximum safety, always wear a safety-harness secured to the anchor points provided. However, note that these are NOT suitable as anchor points for fall-arrest restraints.

EQUIPMENT CARE

Never use this equipment for anything other than its intended purpose – that is, as a medium-duty, mobile work-platform. If it will not do what you want with reasonable ease, assume you have the wrong equipment for the job. Contact your local branch of HSS Lift & Shift for advice.

Handle the equipment with care. Avoid forcing, knocking or otherwise exposing components to damage.

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

Always inspect the equipment thoroughly before use and at the start of each working day – see 'Daily Checks' box for details.

Be sure to keep the operating key (and the key to any spare wheel) 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 supplied with the equipment 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

Rotate the turntable to align the primary boom with its cradle at the front of the trailer.

Bring the primary boom down until it rests in its cradle at the front of the trailer, then fully lower the secondary boom to return the cage to ground-level before getting out.

Secure the booms for transit by replacing the locking-pin, return the cage's entry-ladder to its transit position and wind down the front jockey wheel until in contact with the ground.

That done, wind up the stabiliser feet and return the stabilisers to their transit positions by releasing the locking bolts, swinging up the stabiliser arms and re-engaging the bolts to lock the arms in place.

Finally, thoroughly clean the equipment ready for return to your local branch of HSS Lift & Shift.

Daily Checks

Check 1: Ensure the trailer is in a generally road-worthy condition and that its lights are intact and working correctly.

Check 2: Ensure the road-wheels are secure and that the tyres are undamaged and correctly inflated.

Check 3: Ensure the equipment's Identification Plate is in place and readable. It is against the law to operate the machine without its plate.

Check 4: Check for leaks in the hydraulic system and (with the unit on level ground) check the level of hydraulic fluid in the reservoir. Oil should show on the dip-stick. If not, contact your local branch of HSS Lift & Shift.

Check 5: Check battery-acid levels by removing the quick-release cap and ensuring the liquid is 5-10mm above the plates. Top up with distilled water if required.

Check 6: Make double-sure that all joint-pins and clips are in securely in place and undamaged. It is extremely dangerous to use the equipment with loose or damaged pins. The boom assembly could collapse!



...any comments?

If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

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Operating & Safety Guide LS2

HSS Lift & Shift



5M Twin Boom Lift

An electrically powered boom lift, ideal for cleaning, maintenance and repair work.



Code 69965


GENERAL SAFETY


For advice on the safety and suitability of this equipment, contact your local branch of HSS Lift & Shift. This Guide is intended only as a ready-reference and not as a substitute for the manufacturer's instruction manual supplied with the product.

Note that it is the hirer's responsibility to ensure all necessary precautions are taken to ensure the safety of anyone setting-up or using this equipment.

This equipment has been designed for use by a competent, able-bodied adult who has read and understood both this Guide and the instruction manual supplied.

Seek expert advice before you use this equipment if you suffer from any temporary/permanent disability. Never use this equipment if you suffer from vertigo.

 Never use this equipment if you are feeling tired, ill, 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.

Never operate the equipment alone. Ensure a competent adult is always within shouting range to come to your aid if anything should go wrong.

Keep children, animals and bystanders out of the area.

Never erect or use this equipment near overhead power lines or similar hazards.

Ensure the equipment is set up on firm, level ground. DO NOT use it on slopes, temporary structures or on soft ground where there is a risk of subsidence.

Always double-check that the equipment has been correctly set-up before use – and at regular intervals thereafter. In particular, ensure all stabilisers are correctly deployed to leave the chassis absolutely level.

Check the equipment's condition before use and at regular intervals thereafter (see 'Daily Checks'). If it shows signs of damage or excessive wear, DO NOT USE IT. Return it to your local branch of HSS Lift & Shift.

ELECTRICAL SAFETY

This equipment is powered by rechargeable, 12V lead-acid batteries which, fully charged, should provide enough power for an typical EIGHT HOUR SHIFT.

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 Lift & Shift. Never attempt to repair it yourself.

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 leads 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

Position the trailer as required and thoroughly inspect the unit for possible faults – see 'Daily Checks'.

Deploy the front stabilisers. Pull back the locking bolt, fully lower the stabiliser arm, then re-engage the bolt before winding down the adjustable feet until they 'take the strain'.

Next, raise the jockey wheel clear of the ground and deploy the rear stabilisers in the same way.

Now, adjust the stabilisers' feet as required until the trailer is absolutely level, with its road-wheels in contact with the ground but not under significant load. Check the level using the spirit-levels built into the chassis.

With its trailer correctly set up, remove the boom's transit locking pin and check that everything works properly by raising, lowering and rotating the boom assembly using the ground-level control panel.

At the same time, check that overhead obstacles and similar hazards will not affect the safe use of the equipment and that the booms' hydraulics are free from leaks.

When satisfied, turn the operating key to the 'cage-control' position and remove it. Having lowered the cage's entry-ladder into its operating position, the equipment can now be controlled safely and normally from the cage.

