

# HSS Lift & Shift



## Self Propelled AWP Lift

A driveable aerial work platform ideal for light internal maintenance work. Offering a maximum working height of 6.6 metres.



Code 69905

### FINISHING OFF

Lower the cage and exit, turn the unit off and remove the key and as a safety precaution, press both red STOP buttons.

Give the AWP a final clean up ready for return, to your local HSS Lift & Shift Depot.

Once these checks have been made and you are satisfied that the drive controls are functioning correctly, the AWP is ready to use.

### BASIC TECHNIQUES

Take your time and don't overdo it. You are more likely to have an accident if you are tired or rushing.

**DO NOT use on slopes, soft ground or where there is a risk of the unit subsiding.**

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.

If at any time you get into difficulty, press the red STOP button. The STOP button on the ground controls will also isolate the power when operated by a colleague.

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.

### Emergency Descent

If the AWP loses power, lower the platform to the ground as quickly as possible, taking care to avoid any obstructions.

Extreme care must be taken to ensure that the person carrying out this procedure does not get trapped in the descending structure.

To lower the platform, pull and hold the red emergency descent valve, found to the rear of the unit between the non-steering wheels.

Once lowered, release the valve to close.

Do not use the AWP after an emergency descent if the unit has suffered any form of machine failure. Remove the key and press all red emergency STOP buttons, then contact your local HSS Lift & Shift Depot.

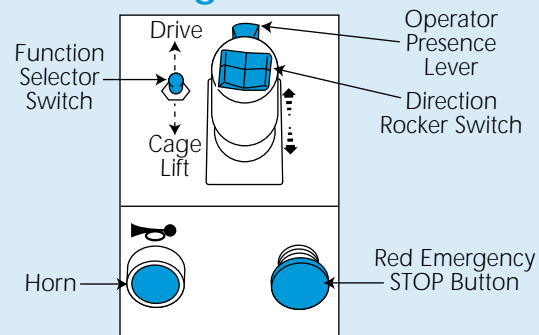
### EQUIPMENT CARE

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 your local HSS Lift & Shift Depot 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.

### Cage Controls



Turn the ground control selector key to the 'cage' position and check that the red emergency STOP button is pulled out to the ON position.

Enter the cage and make sure the lift-up safety rail drops back into place and the gate locks shut after you have climbed onto the platform, then secure your personal restraint harness to the fixing point (see illustration).

Set the cage controls function selection switch to 'drive'.

Taking great care, 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.

Next, squeeze the operator presence trigger and carefully push the joystick forward then backward and make sure the unit moves forward then backward.

Next, set the function selection switch to 'lift'.

Squeeze the operator presence trigger and carefully push the joystick forward then backward and make sure the cage raises then lowers.

Raise the cage again and set the function switch to 'drive' and check that the unit travels at a reduced speed when the cage is raised.

To extend the platform, press the platform extension release handle then push the extension forward by its guardrail until the release handle re-engages.

Set the function switch to 'drive' and check that the drive function is disabled.

For safety reasons, the drive function is disabled when the platform is extended.

To retract the platform, press the platform extension release handle then pull the extension backward by its guardrail until the release handle re-engages.



### ...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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## GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Lift & Shift Depot.


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



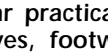
The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.


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 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 your local HSS Lift & Shift Depot.

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

   Wear practical, protective clothing, gloves, footwear and a protective hard hat. Avoid loose garments and 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 on sale or return from your local HSS Lift & Shift Depot.

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 carry large sheet material i.e. glass, plywood or PVC. Never stand or place loads on the platform guardrails.

Switch OFF and remove the key before leaving the AWP unattended.

Never exceed the equipment's safe working load of 159kg. Note that when the extending platform is deployed, the SWL must be carefully distributed. A maximum of 45Kg 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 emergency descent system or come to your aid if anything should go wrong.

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

Never use the AWP in wind speeds greater than 25mph.

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 Lift & Shift Depot.

## 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 AWP 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 Self-Propelled AWP 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.

Open the compartment on the left-hand side of the unit's base and connect the supply lead to the battery charger (see illustration). Next plug the lead into the power supply and switch the supply ON.

The charger's charge level indicator lamps will display the DC charging current. Once charging is complete, the charger will automatically switch itself OFF.

Never operate the AWP 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.

## 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.

Mast columns and counterweight.


Platform control joystick.

Check for cracks in welds or structural components, dents or damage to 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 Lift and Shift Depot for a replacement machine.

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

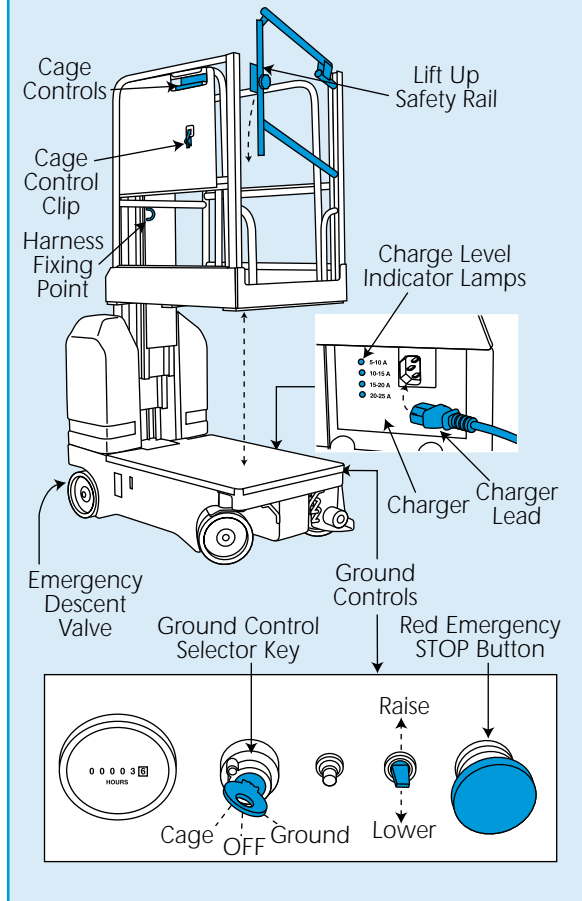
 To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device) available from your local HSS Lift & Shift Depot.

## GETTING STARTED

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

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

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

Raise the cage by approximately 1 metre by moving the elevation switch to the 'raise' position, then lower by moving the switch to the 'lower' position.

The last ground control test is to simulate a machine failure and test the emergency descent system. Raise the cage again to 1 meter then turn the ground control selector key to the 'OFF' position and press the red emergency STOP button.

Pull and hold the red emergency descent button until the cage is fully lowered, then release the button. If the cage has lowered correctly the test is complete, if not, do not use the unit and contact your local HSS Lift and Shift Depot for advice.