

## GETTING STARTED

The powered panel lifter must be assembled before use. Take all the components to the work area and check that the floor is capable of supporting this type of loading.

Place the tripod base assembly on the floor, press the lock lever and swing the outer legs out until the lock lever re-engages to hold the tripod in a 3 point star. Press down on the brake lever to lower the centre foot.

Insert the frame assembly onto the tripod ensuring that protruding cover on the side of the frame assembly slides over the top of the receiver.

Next, attach the power unit to the frame assembly. Lift it and locate the top lug into the receiving hole at the end of the handle and, at the same time, insert the bottom mount into the receiving tube at the base of the front on the power unit.

During this stage of assembly, the hydraulic connection should be made. The connections will 'line up' with each other but you will have to push them together until the outer sleeve clicks in position.

Ensure that the hydraulic connections are pushed firmly home. To separate the hydraulic connections, simply slide the sleeve back and pull the connection apart. Moving to the top of the framework's central column, move the transport cover all the way back on the top of the frame assembly and insert the cradle bar's pin, ensuring that it is fully inserted.

Slide the two cross support arms onto the cradle, one each end, until the retaining spring loaded levers lock them in position.

The panel lift is now ready to be used and only requires slight adjustments to accommodate the size of panel being lifted.

Extend the end supports to suit the size of panel. Simply pull out the retaining pin, Slide the support out, release the pin then continue extending until the pin automatically engages into the pre-set distance location.

## BASIC TECHNIQUES

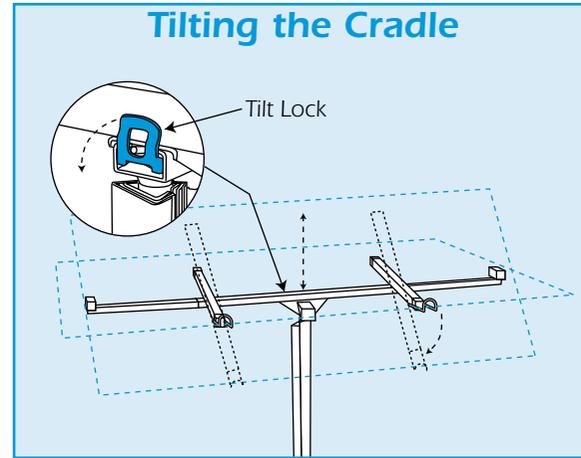
It is essential to familiarise yourself with all the controls before starting.

Move the Panel Lifter to the work area and set the brake to on.

The lifter can be loaded in two ways, either with the cradle flat or tilted.

To tilt the cradle lift the tilt lock up, then tilt the cradle (approx. 45 degs). Once loaded return the cradle to horizontal and re-lock.

Where necessary, release the brake on the centre foot and position the panel immediately beneath where you want to raise it.



To raise the panel, lift the control lever up, the hydraulic system will raise the panel in a controlled manner, as it nears its final position ease OFF the pressure on the control lever to slow its ascent. You can now fix the panel in place.

To lower the cradle, depress the control lever.

If the panel is to be attached to a sloping ceiling, the cradle can be set/left in the tilted position as previously described.

ALWAYS make sure that the area is clear before raising or lowering the cradle.

ALWAYS make sure the load is secure on the cradle before raising it.

## 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 tool 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.

## FINISHING OFF

Lower the cradle, remove the cross support arms and remove the cradle arm from the frame assembly and replace the transport cover.

Remove the power unit from the frame assembly, remove the frame assembly from the tripod and

collapse the tripod, by pressing the lock lever and swinging all the legs together.

Collect all the components together ready for return to your local HSS Lift and Shift Depot.

## Operating & Safety Guide LS155/01

# HSS Lift & Shift



# Powered Panel Lifter

Battery powered panel lifter.



## ...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

Fax: 020 8687 5001

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Code 70140

## 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.

 Use this equipment for vertical lifts only and use on a level area able to take the combined weight of the load and the equipment.

 Ensure the load is balanced, stable and that personnel stand clear of the raised load.

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

Make sure everyone is warned of what you are doing.

Never allow anyone under a raised load or in a position where they are at risk if the load shifts.

Never leave the equipment loaded or unattended.

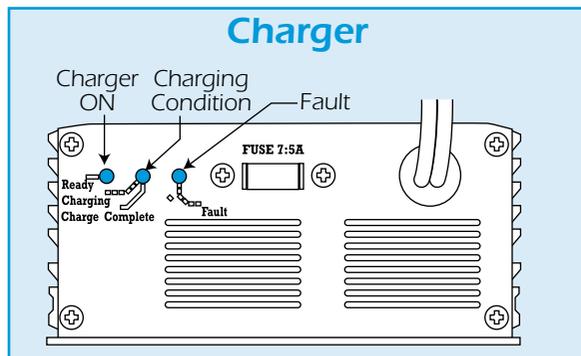
### Warning

This equipment **MUST NOT** be used to carry personnel.

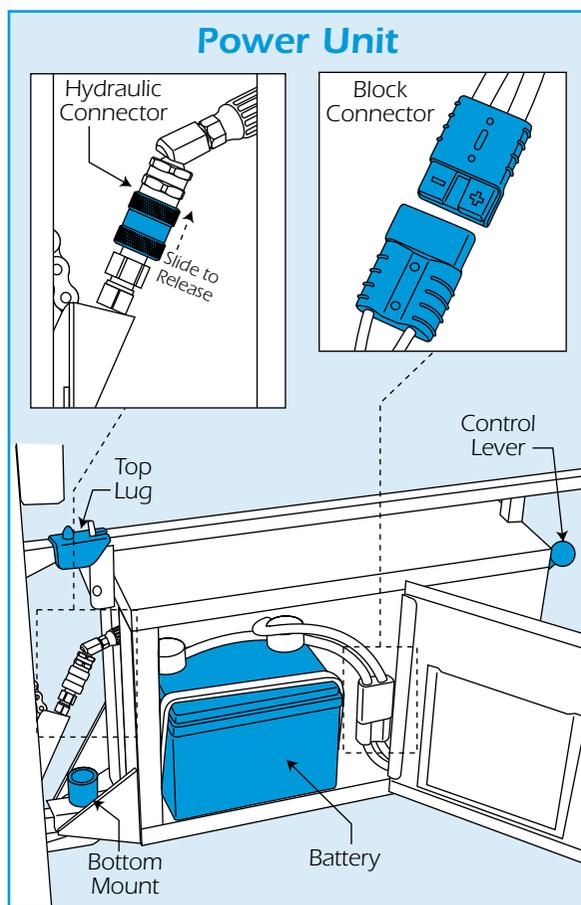
Never exceed the panel lifters safe working load (68Kg) for the item being lifted.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Lift & Shift Depot.

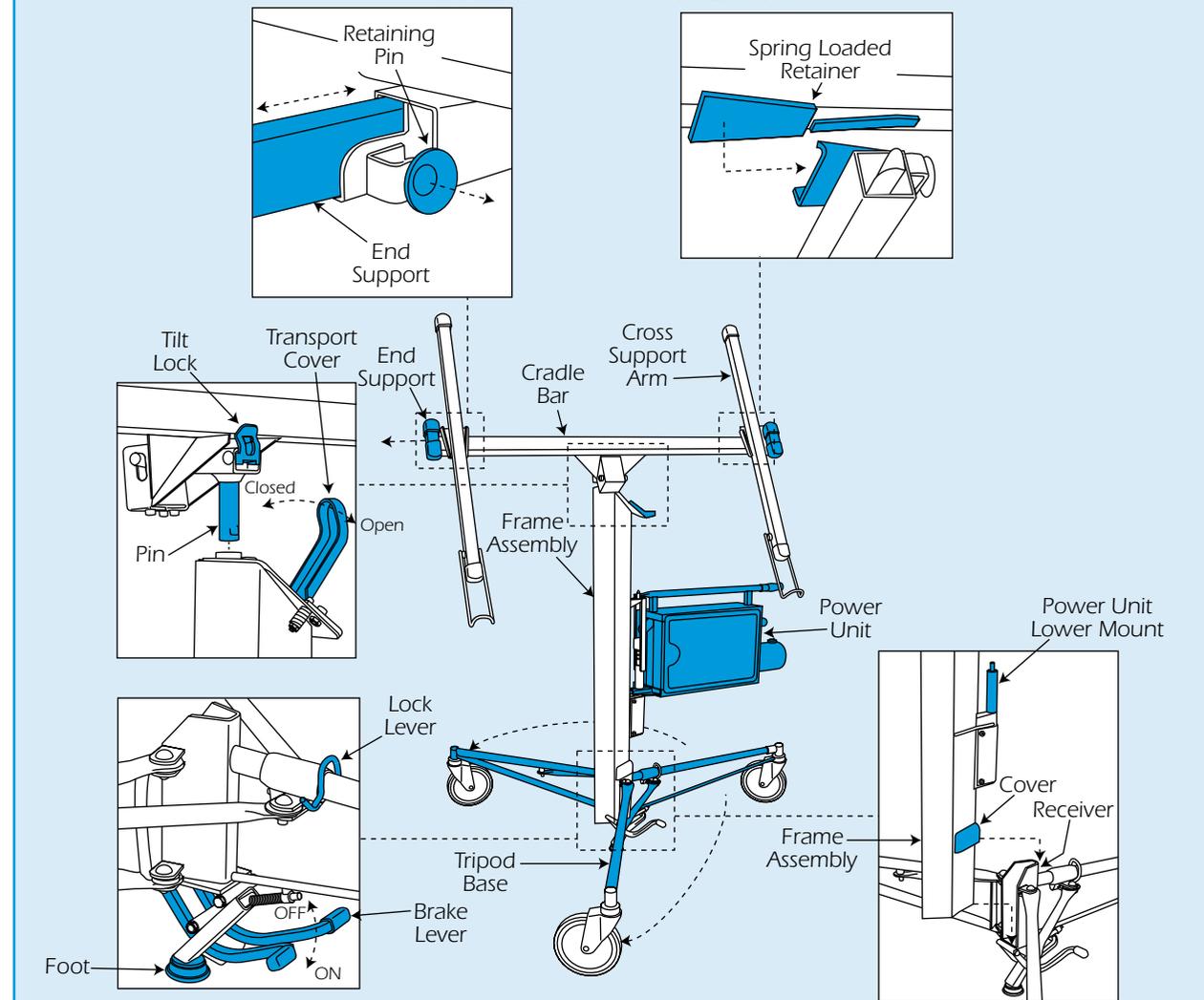
## ELECTRICAL SAFETY



The HSS Powered Panel Lifter is powered by a 12V battery. The battery charger is supplied as a separate unit. The battery charger is designed to run from a 110V power supply via a generator, or be powered from the mains via a suitable 110V transformer.



## Powered Panel Lifter



To recharge the battery, disconnect the batteries block connector and remove it from the power unit.

Place the battery on a suitable surface close to the 110V power supply and connect to the chargers block connector ensuring it is pushed fully home.

Only recharge the battery in a well-ventilated area. Keep the charging area clear of naked flames, **DO NOT SMOKE.**

Next plug the charger into a suitable power supply, recharging is fully automatic.

Recharging the battery will take approximately 8 hours, once fully charged the charger will automatically switch OFF.

Using the charger in very damp or wet 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 Lift & Shift Depot.

If the charger fails, or if the charger's power supply cable or plug gets damaged, return it. Never try to repair it yourself.

If an extension lead is used for the charger, it should be fully unwound and loosely coiled, away from the equipment. Never run leads through water, over sharp edges or where they could trip someone.

Never carry or pull the charger by its power supply cable.