



450KG HYDRAULIC MOTORCYCLE LIFT

MODEL NO: **MC550.V2 , MC550SA (NOT INCLUDED)**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear protective gloves



Wear safety footwear



Warning:
Crushing of Hands



No reaching in

1. SAFETY

- ✓ The lift has to be used only referring to the type of vehicle support specified by the manufacturer.
- ✓ The vehicle lift shall be operated with respect to the complete operating instructions.
- ✓ Only authorized persons shall operate the lift.
- ❑ **WARNING!** Ensure the bike is adequately secured to the lifting platform with appropriate straps before raising the load.
- ✓ Maintain the lift in good condition (use an authorised service agent).
- ✓ After installation the name plate shall remain readily visible.
- ✓ Check that the lift, and the associated safety and protective devices are correctly installed and function in a proper manner.
- ✓ Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Use a qualified person to lubricate and maintain the lift. **DO NOT** use brake fluid to top up hydraulic unit.
- ✓ Locate the lift in a suitable work area, keep area clean and tidy and free from unrelated materials, and ensure that there is adequate lighting. Also ensure that the floor is level and strong enough (preferably concrete) to take the weight of the lift and the bike. **DO NOT** operate the lift on tarmac/adam, as the surface may be unstable.
- ✓ Keep the lift clean for best and safest performance.
- ✓ The maximum bike weight is 450kg. **DO NOT** exceed this rated capacity.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery, and contain long hair.
- ✓ Maintain correct balance and footing, do not over reach. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Before lifting check that there are no overhead obstructions.
- ✓ When platform has been raised to the working height ensure the locking bar is engaged to prevent accidental lowering.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ The lowering speed will vary according to the weight of the load and the amount of pressure applied to the release pedal.
- x **DO NOT** attempt to ride a motorcycle up onto the lift.
- x **DO NOT** use the lift for a task it is not designed to perform.
- x **DO NOT** operate the lift if damaged.
- x **DO NOT** exceed the rated capacity of the lift.
- x **DO NOT** operate the lift when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x **DO NOT** allow untrained persons to operate the lift.
- x **DO NOT** make any modifications to the lift and **DO NOT** adjust or tamper with the safety valve.
- x **DO NOT** sit or stand on the lift or hold onto it when it is being raised or lowered.
- x **DO NOT** attempt to raise the lift using manual strength.
- x **DO NOT** put any body parts within the interior frame of the lift whilst raising or lowering.
- x **DO NOT** use the ram alone to maintain a raised motorcycle. ALWAYS engage the locking mechanism.
- ✓ Before lowering the lift ensure that there are no obstructions underneath and that all persons are standing clear.
- ✓ Before storing in safe area, ensure all parts are clean and free of grease and oil. Store lift in the lowest position.

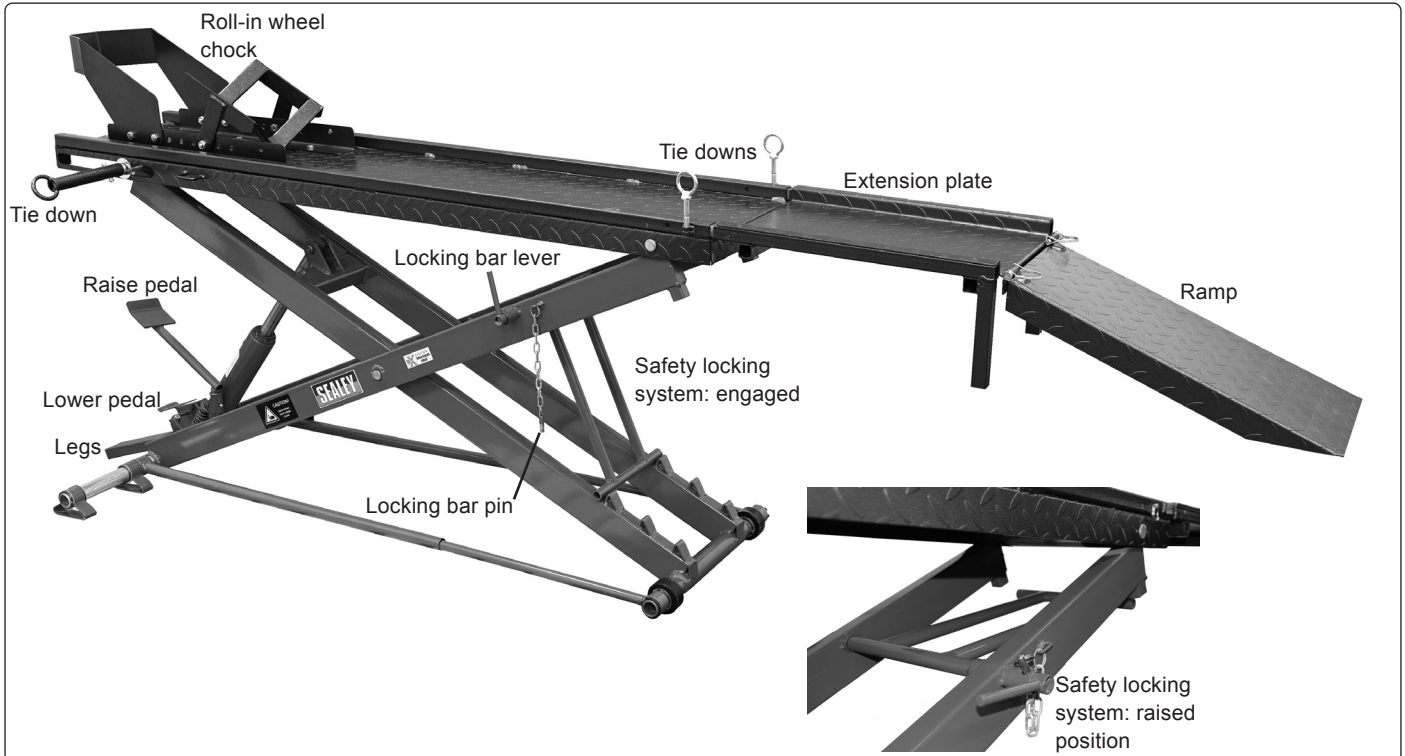
2. INTRODUCTION

All steel construction with foot operated, integral hydraulic pump and ram assembly. Fitted with platform safety lock device to prevent accidental lowering. Supplied with Roll-in Wheel Chock. Four eyelets allow tie downs to be used for added stability. Fitted with a full width loading ramp. 500mm Removable rear panel to assist with rear wheel removal. Can be stored in an upright position to save space when not in use. Fixing points for optional paddock stand extension plates - see Model No. MC550SA for further details.

3. SPECIFICATION

Model No:..... MC550.V2
Weight:..... 86kg
Capacity:..... 450kg
Minimum/Maximum Height:..... 333/750mm
Platform Width/Length:..... 333/2060mm
Overall Width/Length:..... 1855/2900mm
Depth:..... 54mm
Motorcycle Rear Lift (Optional)..... MC450RL

4. FEATURES



5. ASSEMBLY

Refer to attached Parts Information page for details of parts referred to and fixings required.

- 5.1. **TIE DOWNS**
Fit front two tie down hooks (30) using bolts (17) and nuts (19) and rear ones (22), screw them into captive nuts.
- 5.2. **FIT ROLL IN CHOCK ASSEMBLY (9), (20)**
- 5.3. **FIT RAISE AND LOWER PEDALS**

6. PREPARATION

- ☐ **WARNING!** Ensure that you read, understand and apply the safety instructions before use.
- ☐ **WARNING! DO NOT** attempt to overload the lift.
- 6.1. **TRANSPORT/HANDLING:**
 - 6.1.1. Lift is heavy. Ensure it is properly restrained if transported in a vehicle and fastener belt is fitted.
- 6.2. **WORK AREA:** Position the lift in a suitable area, checking that the surface on which the lift will stand is solid and flat (preferably concrete, not tarmacadam).
- 6.3. **BLEEDING THE SYSTEM:**
 - 6.3.1. Whilst removing the oil filler plug from the ram the lift must have the safety locking system engaged.
 - 6.3.2. Remove the locking bar pin.
 - 6.3.3. Pump the raise pedal, raise the platform until the locking bar rides over the first locking bar stop. Press the lower pedal and allow the locking bar to settle fully against the stop.
 - 6.3.4. Remove the oil filler plug from the side of the ram.
 - 6.3.5. Raise the lift slightly so that the locking bar is no longer under pressure. Using the locking bar lever (see features diagram) raise the locking bar to the horizontal position and insert the locking bar pin. Press the lower pedal and allow the lift to settle to its lowest position so that the ram is fully retracted.
 - 6.3.6. Fully open the release valve by depressing and holding down the lower pedal. Now pump the foot pedal 6 to 8 strokes. This will help release any pressurised air which may be trapped within the ram reservoir.
 - 6.3.7. Raise the platform again, engage the safety locking bar and reinstall the oil filler plug.
 - 6.3.8. Check to ensure that the pump operates smoothly before putting into service.
- 6.4. Lubricate as instructed in the Maintenance Section.
- 6.5. Inspect before each use. Do not use if any bent, broken or cracked components are noted.

7. OPERATION

- 7.1. **LOADING A MOTORCYCLE:**
 - 7.1.1. Lay the lift on a smooth flat hard surface: such as concrete.
 - 7.1.2. Press and hold down the lower pedal to ensure that the ram is fully lowered.
 - 7.1.3. Insert the pins to attach extension plate.
 - 7.1.4. Hook the loading ramp into the two slots at the end of the extension piece.
 - 7.1.5. The motorcycle must be loaded onto the centre of the loading ramp. Failure to do this could result in the motorcycle falling from the ramp resulting in serious injury to the operator and/or damage to the ramp or motorcycle.
 - 7.1.6. Standing beside the motorcycle, push it up the ramp and all the way up onto the platform and into the wheel chock, adjust as necessary.
 - 7.1.7. Securely tie the motorcycle onto the Lift using **LOCKING RATCHET STYLE TIE DOWN STRAPS**.
 - 7.1.8. Ensure that the tie down straps are locked in place and hold the motorcycle safely on the Lift.

- 7.2. **CORRECT TIE-DOWN PROCEDURE:**
- 7.2.1. Attach one end of the ratchet tie downs to the handlebars or fork area. Connect the other end of the straps to the forward outrigger tie-down rings. Ratchet the tie-down straps to compress the motorcycle suspension until the motorcycle is secure. This will typically require that you compress the front suspension on your motorcycle to approximately 75% of its full travel.
- 7.2.2. Secure the rear of the motorcycle in a similar manner using an attachment point such as the frame, swing arm, passenger foot rests etc. Attach the other end of the straps to the rear outrigger tie-down rings, and ratchet until motorcycle is secure. Again, this will require you to compress the rear suspension on the motorcycle until there is no possibility that the motorcycle could become dislodged.
- 7.3. **RAISING THE LIFT**
- ▲ **DANGER: DO NOT insert any body parts (e.g., fingers, arms, etc.) within the interior frame of the Lift while raising or lowering the Lift.**
- 7.3.1. With the motorcycle tied down securely on the lift, ensure that the locking bar pin is removed, so that the safety locking bar is free to move.
- 7.3.2. There are three preset heights for the lift depending on which stop the safety locking bar is engaged.
- 7.3.3. Pump the foot pedal until the safety locking bar rides over the chosen stop position and drops back onto the frame.
- 7.3.4. Now press the lower pedal to allow the lift to drop slightly so that the safety locking bar is firmly up against the chosen stop position.
- 7.4. **LOWERING THE LIFT**
- 7.4.1. Pump the foot pedal to raise the lift slightly so that the safety locking bar is no longer pressing against the stop.
- 7.4.2. Raise the safety locking bar using lever and lock it in place with the locking bar pin.
- 7.4.3. Before lowering the lift ensure that there is nothing within the lift frame that could be damaged by the scissor action of the descending lift.
- 7.4.4. Ensure that no body parts such as hands, arms, legs or feet are within the interior frame of the lift.
- 7.4.5. To lower the lift operate the slow descent pedal and allow the lift to settle to its lowest position in preparation for removing the motorcycle.
- 7.4.6. With the Tie-Down straps removed, push down on the handle bars of your motorcycle, slightly compressing the front suspension of the motorcycle. Pull up and back on the motorcycle handlebars.
- 7.4.7. Keeping your hands on the handlebar, pull the motorcycle backwards off the lift.
- 7.5. **STORING THE LIFT VERTICALLY**
- **WARNING! In this position the lift is not free standing and must be secured to a wall using a strong chain and a secure fixing. Failure to adequately secure the lift could result in serious injury or death in the event of the lift falling over.**
- 7.5.1. With the lift in its lowest position remove the ramp from the end of the extended platform. Thread the fastener belt through the guides on the sides of the lift and secure it around the lift to ensure its stays folded whilst it is being lifted to the vertical position.
- 7.5.2. The lift must be raised by two people and will stand on the two legs and pedal on the wheel chock end. Whilst one person continues to support the lift the other will secure it in position using the chain.
- 7.6. **PUTTING THE LIFT BACK DOWN FOR USE**
- 7.6.1. When returning the lift to the horizontal position, equal care is required to avoid injury to persons. *At least two people should be on hand to support the lift as it is put down for service.*

8. MAINTENANCE

- **WARNING! Only fully qualified personnel should attempt maintenance or repair.**
- 8.1. A general evaluation of the residual lifetime is to be done at latest 10 years of use by a qualified technician, preferably authorized by the manufacturer.
- 8.2. When the lift is not in use, it must be returned to its lowest position to minimise ram and piston corrosion.
- 8.3. Keep the lift clean and wipe off any oil or grease. Lubricate all moving parts.
- 8.4. Before each use check all parts. If any part of the lift is damaged or suspect, remove lift from service and take necessary action to repair.
- * **DO NOT** use the lift if it is believed to have been subjected to abnormal load or shock. Inspect and take appropriate action.
- 8.5. Periodically check the ram and piston for signs of corrosion. Clean exposed areas with a clean oiled cloth.
- 8.6. **TOPPING UP OR CHANGING THE OIL**
- 8.6.1. To top up or change the oil the ram has to be removed from the lift.
- **WARNING! Only a good quality hydraulic oil, such as SEALEY HYDRAULIC OIL, must be used. DO NOT use brake fluid, transmission fluid or motor oil. Use of improper fluid can cause premature failure of the lift and the potential for sudden and immediate loss of load.**
- IMPORTANT: Only fully qualified personnel should attempt maintenance or repair. Contact your authorised stockist.**
- 8.6.2. Set the lift in the upright position and secure it against falling, ensuring that you have access to the ram on the underside of the lift.
- 8.6.3. Disconnect the two linkages attached to the ram. Remove the circlips from pivot pins at either end of the ram. Remove upper pivot pin. Support ram, remove lower pivot pin and remove ram.
- 8.6.4. With the ram in the upright position remove the filler plug and top up to the level of the filler hole. Replace the plug.
- 8.6.5. To change the oil lay the ram on its side and drain the oil into a suitable container.
- 8.6.6. Set the ram in the upright position and refill to the level; of the filler hole. Replace the plug. Install the ram back into the lift by reversing the steps above.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE LIFT.

Hydraulic products are repaired by local service agents only. We have service/repair agents in all parts of the UK.

DO NOT return the product to us. Please call us on 01284 757500 to obtain the address and telephone number of your local agent.
If the product is under guarantee please contact your dealer.

9. END OF LIFE

- 9.1. Dismantle lift and remove ram. Contact local authority to obtain advice on correct disposal method.

10. TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Jack will not lift load.	Release valve not tightly closed.	Close release valve fully.
	Overload condition.	Remove/reduce load
	Hydraulic unit Malfunction	Service hydraulic unit
Jack will lift but not retain pressure	Release valve not tightly closed.	Close release valve fully.
	Overload condition.	Remove/reduce load
	Hydraulic unit Malfunction	Service hydraulic unit
Jack will lift not lower after unloading	Reservoir overfilled	Drain fluid to correct level
	Linkages binding	Clean & lubricate Moving parts
Poor lift Performance	Fluid level low	Ensure proper fluid level
	Air trapped in system	Bleed system
Poor lift Performance	Fluid level low	Ensure proper fluid level
	Air trapped in system	Bleed system
Poor lift Performance	Fluid level low	Top up to correct level
	Air trapped in system	Bleed system
Will not lift to full extension	Fluid level low	Ensure proper fluid level



SIDE PANELS FOR MC550 MOTORCYCLE LIFT

MODEL NO: **MC550SA**

11. INTRODUCTION

Extension panels secure onto Model No. MC550 to allow the use of a wheel chock like Model No. RPS2KD. Durable all steel construction prevents panels failing. Metal bars slide into welded steel tubes and are secured with 4 hooked clevis pins.

12. SPECIFICATION

Model No:..... MC550SA
 Additional Width: 340mm
 Panel Length: 700mm
 Compatibility: MC550

13. CONTENTS

13.1. See Parts Information attached.

14. ASSEMBLY

- 14.1. Slide extension panels (3,4) into MC550's extension plate.
- 14.2. Secure (underneath) with D-Rings (27).



15. OPERATION



MC550SA in use with front paddock stand

NOTE: Motorcycle still needs to be tied down to the motorcycle lift.



MC550SA in use with rear paddock stand.

NOTE: Motorcycle still needs to be tied down to the motorcycle lift.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.



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