



# 454KG AIR/HYDRAULIC MOTORCYCLE LIFT

## MODEL NO: MC401A.V2

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

- ☐ **WARNING!** When unloading a boxed, delivered unit, use a forklift or similar device capable of securely and safely holding 135kg.
- ☐ **WARNING!** Disconnect lift from air supply before changing parts, servicing or performing any maintenance.
- ☐ **WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 100-120psi. Required air flow 9.5cfm.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure all connections are secure.
- ✓ Ensure lift is kept clean and in good working order. Immediately repair or replace damaged parts.
- ✓ Use recommended parts only. Incorrect parts may be dangerous and will invalidate the warranty.
- NOTE:** Suitable for use with centre-stand motorcycles or those with paddock stands.
- ✓ Use a qualified person to lubricate and maintain the lift. **DO NOT** use brake fluid to top up system. Use Sealey hydraulic oil only.
- ✓ Locate lift in a suitable, well lit work area. Keep area clean and tidy and free from unrelated materials.
- ✓ Use lift on level and solid ground, preferably concrete. Avoid tarmacadam since lift may sink in.
- ✓ Ensure all non essential persons keep a safe distance.
- ✓ Always keep your hands and feet away from moving parts. **DO NOT** reach in.
- \* **DO NOT** operate the lift if parts are missing or damaged.
- \* **DO NOT** use the lift for purposes other than that which it is designed for.
- \* **DO NOT** adjust the safety overload valve.
- ✓ Use a qualified person to maintain the lift in good condition. Keep it clean for best and safest performance.
- ✓ The maximum load is 454Kg. **DO NOT** exceed this rated capacity.
- ✓ Use this lift for lifting purpose only. **DO NOT** use it for any other purpose it is not designed to perform.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery, and contain long hair.
- ✓ Keep proper balance and footing, **DO NOT** overreach and wear nonslip footwear. **DO NOT** get the lift wet.
- ✓ Only use this lift on a surface that is stable, level, dry and capable of sustaining the load.
- ✓ Ensure the motorcycle is adequately secured to the lifting platform with appropriate straps.
- ✓ When the platform has been raised to the working height, ensure the locking bar (42) is engaged to prevent accidental lowering.
- ✓ Before lowering lift ensure that there are no obstructions underneath and that all persons are standing clear.
- \* **DO NOT** attempt to transport a load on the lift. The lift must only be used in a static position for lifting and lowering loads. Ensure that the load remains stable at all times.
- \* **DO NOT** use the lift if damaged, any suspect parts are noted or it has been subjected to a shock load.
- \* **DO NOT** operate the lift when you are tired or under the influence of alcohol, drugs or any intoxicating medication.
- \* **DO NOT** allow untrained persons to operate the lift.
- \* **DO NOT** make any modifications to the lift.
- \* **DO NOT** snatch the hose from the air supply, and **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use disconnect lift from the air supply, and store in the down position in a safe, dry, childproof area.
- ✓ When unladen the unit may be moved using the four castors fitted to it.
- ☐ **WARNING!** When the platform is loaded, its centre of gravity will be high and could be toppled if knocked, therefore ensure the unit is on suitable level ground and that the motorcycle is firmly and securely strapped in place.
- ☐ **WARNING!** **DO NOT** attempt move the unit whilst a motorbike is loaded.
- ☐ **WARNING!** The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by an appropriately trained authorised operator.

## 2. INTRODUCTION

All steel construction with air pump or foot pedal for manual operation. Integral hydraulic pump and air motor assembly. Support platform fitted with full width loading ramp. Ramp and platform made with chequer plate surface to ease loading and positioning of motorcycle. Fitted with platform safety lock device to prevent accidental lowering. Model No. MC401A is fitted with a front wheel clamp for stability and sliding panel for easy rear wheel removal. Model No's MC680A and MT680 are supplied with motorcycle front wheel locking attachments. Suitable for use with centre-stand motorcycles or with paddock stand. Model No. MC401A base assembly is fitted with transport wheels and lock-downs to prevent lift from moving during use. Model No. MT680 features removable side platforms making it suitable for mini tractors and quads as well as motorcycles.

### 3. SPECIFICATION

Model no..... MC401A.V2  
Capacity .....454kg  
Locked Heights:.....470/560/650  
Min./Max. Height: .....155/770mm  
Nett Weight:.....131.49kg  
Platform Width/Length; .....680/2200mm  
Air Supply Min/Max: .....100psi/120psi

### 4. ASSEMBLY

Unpack the lift and check contents with list below and Parts information. Should there be any damaged or missing parts, contact your supplier immediately.

**NOTE!** All numbers in the text below are from the Parts information attached.

#### 4.1. CONTENTS

·Main Assembly    ·Cover Plate    ·Loading Plate    ·Vice  
·Lift Foot Pedal    ·Release Foot Pedal    ·Bolts, Washers, Nuts, Cotter-Pins.

4.2. Place the cover plate (11) on the platform (8) to cover the rear wheel removal aperture.

4.3. Attach loading plate (14) to end of platform using washers (12) and R-pins (13).

4.4. Fit the front wheel vice assembly (3) to the front of the platform using supplied fixings.

4.5. Fit the stop plate (15) using supplied fixings.

4.6. Fit the foot pedal for pump (47) to the foot pedal spindle (48) and fit the release foot pedal (50) to the release valve spindle (49).

### 5. AIR SUPPLY

5.1. You will require an air pressure of minimum 100psi, maximum 120psi to get the best performance from this lift.

- ☐ **WARNING!** Ensure the air supply does not exceed 120psi while operating the lift. Too high an air pressure and unclean air will shorten the product's life due to excessive wear, and may be dangerous, causing possible damage and/or personal injury.

5.2. Drain the air tank daily. Water in the air line will damage the lift. Clean the air inlet filter screen weekly.

5.3. Keep the air hose between the compressor and the lift as short as possible, and install an air filter and oiler.

5.4. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.

5.5. Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.

### 6. OPERATION

6.1. During normal operation, no persons are permitted to stand on or under the unit.

6.2. Operating temperature range between -5°C and 40°C.

6.3. Position the lift in a suitable area, checking that the surface on which the lift will stand is solid, flat and level (preferably concrete).

6.4. A minimum space envelope of 1.5m all round is required when operating the unit.

- ☐ **WARNING!** Ensure that you read, understand and apply the safety instructions and warnings before use.

- ☐ **WARNING! DO NOT** attempt to overload the lift.

6.4.1. Check that the vehicle lift and the associated safety and protective devices are correctly installed and function in a proper manner.

6.4.2. Turn the Adjusting Screw Assy (23) down to raise the castors off the ground to prevent the lift from moving.

6.4.3. Wheel the motorcycle up the loading plate and onto the platform.

6.4.4. **NOTE:** There is a choice of mounting holes for the vice assembly (3, 5) to cater for various sizes of motorcycle.

6.4.5. Clamp front wheel in vice assembly (3, 5) to prevent any movement of the motorcycle.

6.4.6. Strap the motorcycle securely to the platform.

#### 6.5. RAISING THE PLATFORM (Hydraulic method)

6.5.1. From fully down position operate the Safety Bar Release using Foot Pedal (53).

6.5.2. Raise the platform by operating the Pump foot pedal (47).

**NOTE:** There are three location steps provided hence three height settings are available to the platform.

6.5.3. When the platform is at the required height and the Safety Support (63) is just above the relevant locking block step, press Release Foot Pedal (50) to allow the Safety Supports to descend and engage with the locking block.

#### 6.6. LOWERING THE PLATFORM (Hydraulic method)

6.6.1. To lower the platform, raise it to maximum height and depress Safety Bar Release foot pedal (53) to raise the Safety Bar and allow the unit to descend to the fully closed state.

#### 6.7. AIR OPERATION

**NOTE!** Connect air supply hose via quick coupler-female and fully press the release foot pedal (50), then turn on the air valve letting the pump work for 20 seconds to eliminate any air in the hydraulic system.

6.7.1. Test the lift, unladen, by raising it to full height and then lowering it. Depress release foot pedal (50) to lower the platform, see section 6.3.

#### 6.8. RAISING THE PLATFORM (Air method)

6.8.1. Connect the quick coupler-male into the air supply hose quick coupler-female, then turn on the air valve to raise the lift. When air source is not available, pump the lift Foot Pump pedal (47) to raise the lift.

6.8.2. When the platform has been raised to the working height, turn off the air valve to stop pumping while ensuring the Safety Supports descend and safely engage with the locking block.

#### 6.9. LOWERING THE PLATFORM (Air method)

6.9.1. When the job is done, check under the lift to ensure that there are no obstructions and that it is safe to lower the unit.

6.9.2. Depress the Safety Bar Release foot pedal (53) to raise the Safety Bar and allow the unit to descend to the fully closed state.

6.9.3. When the lift is fully lowered, unstrap the motorcycle, open the vice jaws and remove the cycle from the lift.

## 7. MAINTENANCE

- 7.1. A minimum space envelope of 1.5m all round is required when servicing, maintaining the unit.
- 7.2. Clean and lubricate on a regular basis.
- 7.3. Regularly check oil level via filler hole on pump body (38). With piston fully down remove filler plug, oil should be level with bottom of filler hole. Top-up as necessary. Use a good quality jack oil such as Sealey Hydraulic Jack Oil. **DO NOT** use brake fluid. Ensure no dirt enters hydraulic system when filling or removing/replacing components.
- 7.4. Always dispose of waste oil according to local authority guidelines. If in doubt consult your local authority.
- 7.5. Keep the lift clean and wipe off any oil or grease. Lubricate all moving parts.
- 7.6. Before each use check all parts. If any part of the lift is damaged or suspect, remove the lift from service and take necessary action to repair.
- 7.7. A general evaluation of the residual life-time is to be done at latest 10 years of employ by a qualified technician, preferably authorized by the supplier.
- IMPORTANT:** NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.  
Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.  
**DO NOT RETURN PRODUCT TO US.** Please telephone us on 01284 757500 to obtain the address and phone number of your local stockist. If product is under guarantee please contact your Sealey stockist.
- 7.8. Clean and check all fixings etc. prior to storage. Store the unit in a clean dry environment.
- 7.9. Refer to MSDS for instruction should any spillage or fire occur.

## 8. TROUBLESHOOTING

Lift will not lift load.	1. Release valve not fully closed. 2. Oil level low. 3. Air supply low.	1. Close valve firmly. 2. Top-up to correct level. 3. Min. requirement 120psi.
Lift will not hold load.	1. Release valve not fully closed.	1. Close valve firmly.
Lift will not lift smoothly or to full height.	1. Oil level low. 2. Air in hydraulic system.	1. Top-up to correct level. 2. Bleed system.
Lift will not lower completely.	1. Release valve not sufficiently open.	1. Slowly open valve further.

## 9. END OF LIFE

- 9.1. At end of life of the unit or components, dispose of items in accordance with local, regional and national requirements.



### 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.



REGISTER YOUR  
PURCHASE HERE

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.

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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