



AIR/HYDRAULIC PRESS

30 TONNE FLOOR TYPE WITH FOOT PEDAL

MODEL NO: YK309FAH

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 instruction manual



Wear protective gloves



Wear face mask



Wear protective clothing



Wear safety footwear



Warning: Crushing of hands

1. SAFETY

- ✓ Familiarise yourself with the applications, limitations and hazards of the press.
- ✓ Maintain the press in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Keep the press clean for best and safest performance.
- ✓ Locate the press in an adequate working area for its function, keep area clean and tidy and free from unrelated materials and ensure there is adequate lighting.
- ✓ Ensure the workpiece is correctly secured before operating the press.
- ✓ Ensure that all fittings are tight before each use.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, other loose jewellery and contain long hair.
- ✓ Keep hands and body clear of the table when operating the press.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Securely attach the press to a flat, firm, level surface capable of supporting the weight of press and any workpiece taking into account clearance for workpieces.
- ✓ When not in use, release pressure from the hydraulic unit and clean the press. Stand or store the arbor plates in a safe location.
- ✗ **DO NOT** operate the press if any parts are missing as this may cause failure and/or possible personal injury.
- ✗ **DO NOT** use the press for a task it is not designed to perform.
- ✗ **DO NOT** make any modifications to the press.
- ✗ **DO NOT** exceed the rated capacity of the press.
- ✗ **DO NOT** apply off-centre loads.
- ✗ **DO NOT** allow the workpiece or the arbor plates to fall from the table.
- ✗ **DO NOT** get the press wet or use in damp or wet locations or areas where there is condensation.
- ✗ **DO NOT** operate the press when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** climb upon the press.
- ✗ **DO NOT** use the press to compress a spring or any other item that could disengage and cause a potential hazard including personal injury.
- ✗ **DO NOT** stand directly in front of a loaded press and never leave a loaded press unattended.
- ✗ **DO NOT** allow untrained persons to operate the press.
- ☐ **WARNING!** Always wear approved eye or face protection when operating the press. A full range of personal safety equipment is available from your Sealey stockist.
- ☐ **WARNING: DO NOT** top up hydraulic unit with brake fluid, or any other fluid other than a good quality hydraulic oil (Sealey Part Number: HJO500MLS/HJO5LS) as this may cause serious damage to the hydraulic unit and will invalidate the warranty.
- ☐ **WARNING!** Always position the press against a wall. If the press is situated in the open workshop, it is essential that a guard be placed at the rear of the unit. This will prevent injury to bystanders in the event of the work piece ejecting suddenly.
- ☐ **WARNING!** The warnings, cautions and instructions in this 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 the operator.
- ▲ **DANGER!** The press is top heavy. If it requires moving after assembly or for relocation, use suitable slings around the top crossbeam, or lift direct with a forklift with the forks located under the top crossbeam. **DO NOT** use a pallet truck.

2. INTRODUCTION

Steel frame construction with side mounted air motor powering hydraulic pump unit, foot pedal operated. Sliding hydraulic ram assembly with lateral travel for off-centre pressing applications. Fitted with ram pressure gauge. Supplied with flat pressing plate/V-blocks.

3. SPECIFICATION

Model.....YK309FAH
 Capacity30tonne
 Ram stroke150mm
 Ram diameter.....70mm
 Lateral ram travel200mm

Max height - ram to table.....	1030mm
Min height - ram to table.....	150mm
Work table aperture.....	164mm
Work table depth.....	184mm
Work table width.....	695mm
Overall height.....	1801mm
Weight.....	166kg
Gauge included.....	Yes
Air consumption.....	9cfm
Working pressure.....	108-123psi

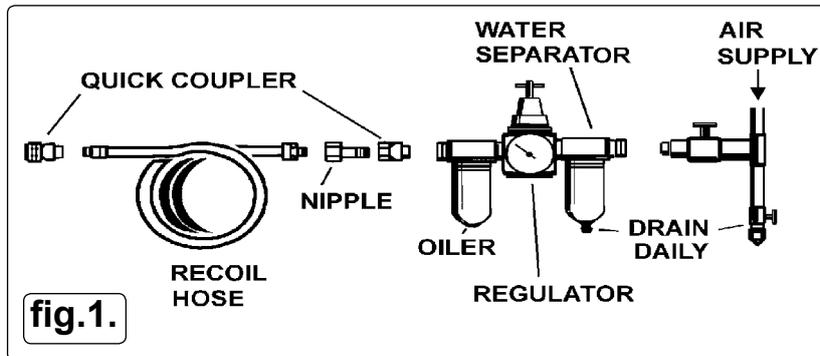
4. ASSEMBLY

REFER TO PARTS LIST DIAGRAM

- 4.1. Unpack the product and check the contents. Should there be any damaged or missing parts, contact your supplier immediately. Take care to ensure safety when removing main frame from its packing, as the unit is very heavy.
- 4.2. Use the parts diagram as your guide to assembly. Lay all parts and assemblies out before beginning assembly. The following procedure is recommended.
- 4.3. Attach one of the base sections (5) to the left post and lower cross member (7) using bolts (8), washers (2), lock washers (3) and nuts (4). Add two supports (6) to the post and base sections, using bolts (1), washers (2), lock washers (3) and nuts (4). Repeat the operation for the right hand side.
- 4.4. Lifting from the upper cross beam end lift the press into an upright position.
 - ☐ **WARNING!** Ensure help is available and use slings and a suitable hoist or gantry to raise the press to an upright position.
- 4.5. Insert the bed frame pins (9) and circlips(10) into the holes in each of the posts, ensuring that they are level and then with the help of an assistant insert the bed frame (11) into the press frame resting on to the pins and add further pins (9) and use circlips (10) to lock in place.
- 4.6. Attach the pump and air motor to the right hand post using bolts (18) and washers (2).
- 4.7. Attach the ram assembly (15) to the upper cross beam using bolts (21) and compression springs (20).
- 4.8. Connect the hydraulic hose (27) to the ram (15) (A to A) and assemble the pressure gauge (13) to the ram assembly (C to C).
- 4.9. Tighten all nuts, bolts and screws.

5. INSTALLATION

- ▲ **DANGER!** The press is top heavy. If it requires moving after assembly or for relocation, use suitable slings around the top crossbeam, or lift direct with a forklift with the forks located under the top crossbeam. **DO NOT** use a pallet truck.
- 5.1. Securely attach the press to a flat, firm, level surface taking into account clearance for working pieces.
 - 5.2. Connect to an air supply as recommended in fig.1. The air supply must be capable of 108 to 123psi and 9cfm.
 - 5.3. Purge hydraulic system. Before operating the press, the hydraulic system may require purging in order to eliminate any air that may have built up during transit.
 - 5.4. **Manual Operating System:** Open the release valve (33) by turning anti-clockwise and pump the handle several times.
 - 5.5. **Air Operating System:** Open the release valve (33) by turning anti-clockwise and connect the air valve to the air line system, operate the air valve, allowing the pump to operate until the air has been purged. Should the system malfunction at any time, repeating either of these procedures may resolve the problem.



6. OPERATION

- ▲ **DANGER!** This model is purpose designed to withstand greater loads than the hydraulic units can develop. For safety reasons, always ensure the workpiece and press tools are secured on the table and will not flex or suddenly “give way” causing danger to operator or the component.
- 6.1. Connect the air valve to the air supply.
 - 6.2. Check that the release valve on the hydraulic unit is fully closed, ready for operation.
 - 6.3. Locate the flat pressing plates or the v-blocks on to the bed frame, push down the locating pins to ensure the plates do not slip. Place workpiece onto the plates and position the head of the hydraulic unit on the centre of the workpiece using an appropriate extension.
 - NOTE:** Care must be taken to ensure the plates do not fall from the bed frame.
 - ☐ **WARNING! DO NOT** apply off centre loads.
 - 6.4. When work is complete turn the release valve anti-clockwise to release the pressure and the piston and the ram head will retract automatically. **NOTE:** Always keep the piston retracted after use.
 - 6.5. Disconnect the air valve from the air supply.

7. MAINTENANCE

NOTE: Maintenance and repair must only be carried out by qualified person. Contact your Sealey stockist for details.

- 7.1. When the press is not in use, the hydraulic unit ram must be fully retracted to minimise corrosion. Remove the handle to inactivate the press.

- 7.2. Lubricate all moving parts at regular intervals.
- 7.3. Always keep the press clean, dry, and protected from harsh conditions.
- 7.4. Should you need to replace the oil, ensure the hydraulic unit ram is fully retracted. An excess of oil will render the press inoperative.
- 7.5. Use only appropriate Sealey hydraulic jack oil (Sealey Part Number: HJO500MLS/HJO5LS). **DO NOT** use brake fluid.
- 7.6. Purge the system to remove any air (see 5.4).
- 7.7. If press efficiency begins to drop, purge the system to eliminate any air from the hydraulic system (see 5.4).
- 7.8. Check your model parts information for spares.



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.

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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