



HYDRAULIC PRESS 20TONNE ECONOMY FLOOR TYPE

MODEL NO: YK20ECF

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 a face
shield



Wear protective
footwear



Wear protective
gloves



Wear protective
clothing



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

Economy model is suitable for the serious enthusiast or occasional professional use. Made from a high quality steel with a powder coated finish to help corrosion resistance.

3. SPECIFICATION

Capacity	20tonne
Ram stroke	140mm
Max height - ram to table.....	655mm
Min height - ram to table.....	52mm
Table aperture	94mm
Table depth.....	200mm
Table width	500mm
Overall height	1562mm
Weight	78.5kg

4. ASSEMBLY

- 4.1. Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately. Take care to ensure safety when removing post section and bottle jack from packing as these units are very heavy.
- 4.2. Use the parts diagram as your guide to assembly. Lay all parts and assemblies out before beginning. The following procedure is recommended:
- 4.3. Attach one of the feet (16) to one of the upright sections (9) and to the base support (15) using M12x30 bolts (17), washers (18), and nuts (19) to secure the parts. Repeat with the other foot (16), attaching it to the remaining upright section (9) and to the base support (15). The bolts should not be fully tightened.
- 4.4. Attach the braces (22) to the feet (16) and to the uprights (9) using M12x30 bolts (17), washers (18) and nuts (19). The bolts should not be fully tightened.
- 4.5. Place the press in an upright position and insert the support pins (14) into the uprights (9) so that they are directly opposite each other. Place the table (13) over the uprights and onto the support pins (14).
- 4.6. Attach the upper support (1) using the M16x30 bolts (2), nuts (4), and washers (3) to the uprights. The bolts should not be fully tightened.
- 4.7. Check the assembly is squared, centred and correctly aligned. Fully tighten all the bolts.
- 4.8. Install the hook pins (8) onto the support plate (7) using the M8 nuts (11) and M8 washers (10).
- 4.9. Affix the springs (5) to the bars on the upper support (1) and to the hook pins (8) on the support plate (7). Adjust the length of the hook pins (8) using the M8 nuts (11) so that the support plate (7) is parallel to the upper support (1).
- 4.10. Attach the hydraulic unit (6) to the support plate (7) using the M8x12 bolts (20). Ensure that the saddle of the hydraulic unit locates securely into the aperture on the upper support (1).
- 4.11. Place the v-blocks (12) onto the table (13).

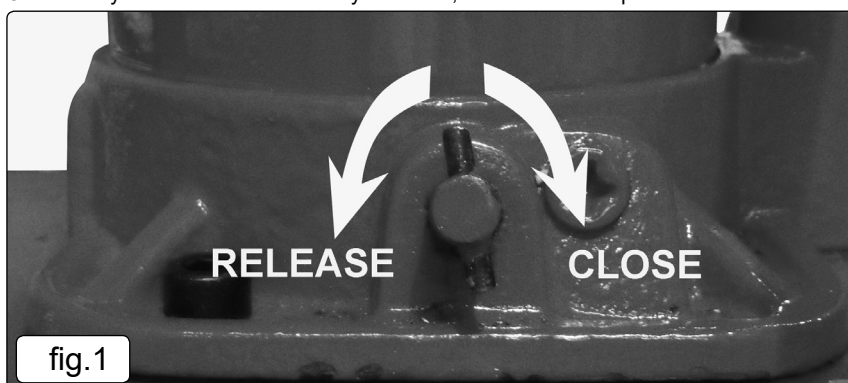
5. INSTALLATION

- 5.1. Securely attach the press to a flat, firm, level surface capable of withstanding its own weight and any workpiece, taking into account clearance for workpieces.
- 5.2. Before operating the press, purge the hydraulic system of the hydraulic unit (6), in order to eliminate any air that may have accumulated during transit. Fit handle (21) over the release valve and turn anti-clockwise to open valve (fig.1). Insert handle into handle sleeve and pump several times to ensure full internal lubrication and to bleed air from the system. Fit handle back over the release valve and turn clockwise to close (fig.1).

▲ **DANGER!** This model is purposefully 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. Also ensure you have read and understood chapter 1 safety instructions.

6. OPERATION

- 6.2.1. Position the table at the required operating height by inserting the support pins into the appropriate holes in the uprights.
- 6.2.2. Place the v-blocks onto the table, then place workpiece onto the v-blocks and align beneath the support plate as required. **Note:** care must be taken to ensure that the v-blocks **DO NOT** fall from the table. If necessary hold the configuration in position with clamps.
- 6.2.3. If required, rotate the hydraulic unit screw extension anti-clockwise until the support plate is closer to the workpiece. Check that the workpiece is centred in relation to the support plate.
- 6.2.4. Fit handle over release valve and rotate clockwise to close valve (fig.1).
- 6.2.5. Place handle into handle sleeve and pump handle to apply load to the workpiece.
- 6.2.6. When work is done, stop pumping the handle. Slowly and carefully free load from workpiece by fitting the handle over the release valve and turning anti-clockwise in small increments (fig.1). **Note:** Always keep the hydraulic unit fully retracted after use to avoid ram corrosion.
- 6.2.7. If necessary, rotate the hydraulic unit screw extension clockwise to allow space for the workpiece to be removed.
- 6.2.8. Once the hydraulic unit has been fully retracted, remove the workpiece from the v-blocks and the table.



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. Use only appropriate Sealey hydraulic jack oil (Sealey Part Number: HJO500MLS/HJO5LS). **DO NOT** use brake fluid. Purge the system to remove any air.
- 7.5. Check your model parts information for spares.

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

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 agent.

If product is under guarantee please contact your dealer.

De-commissioning Product

Should the product become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the product and the oil according to local regulations.



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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