



HYDRAULIC PRESS 30TONNE FLOOR TYPE

MODEL NO: YK30F.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 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

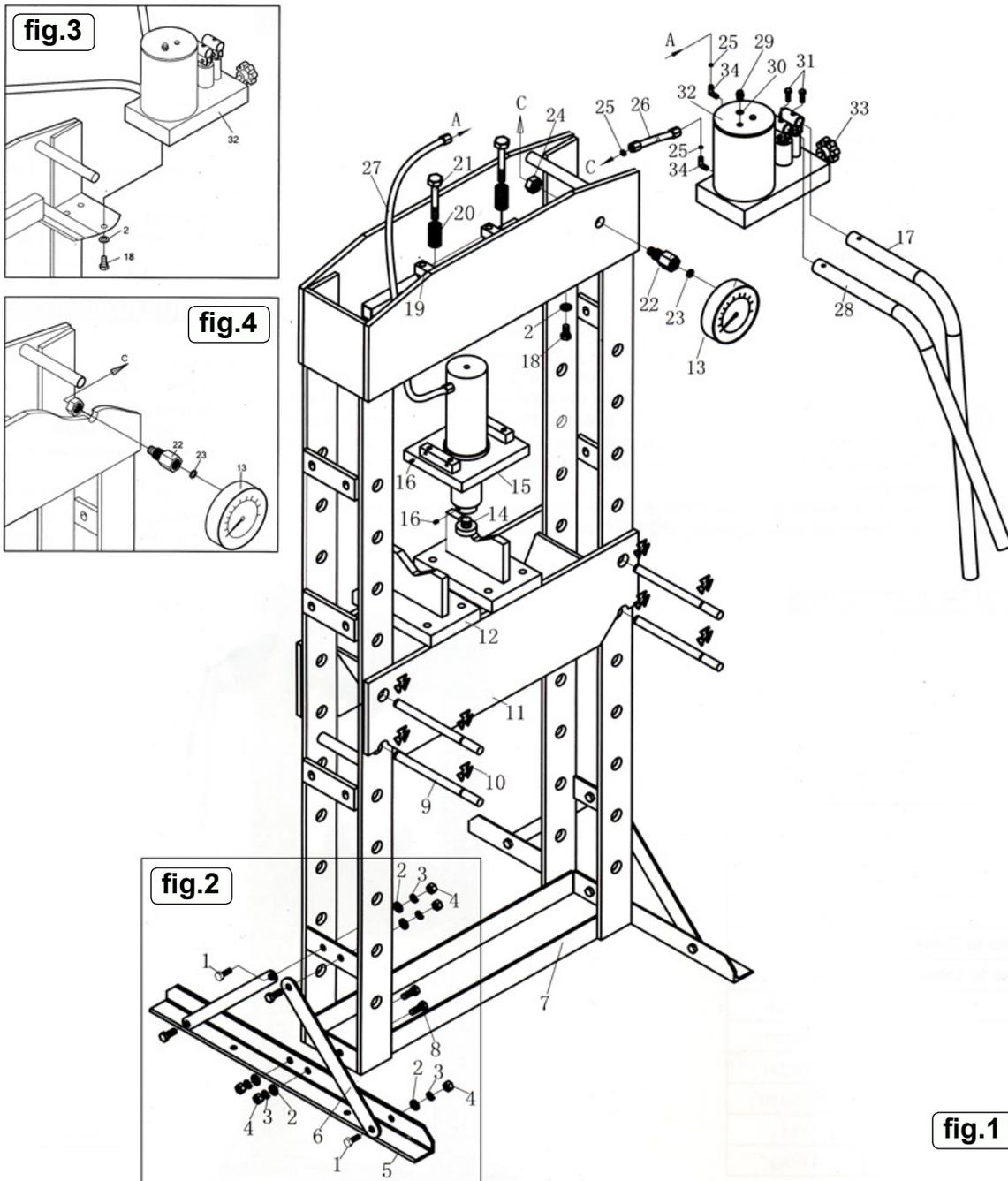
Heavy duty steel frame construction with 2 speed hydraulic ram unit. Sliding hydraulic ram assembly gives 200mm of lateral travel for off centre pressing applications. Frame head fitted with ram pressure gauge. Supplied with flat pressing plate/V blocks.

3. SPECIFICATION

Model no.....	YK30F.V2	Weight.....	166kg
Capacity	30tonne	Height	1801mm
Lateral ram travel	200mm	Ram diameter	70mm
Max. height ram to table.....	1030mm	Ram stroke.....	150mm
Min. height ram to table.....	150mm	Table aperture	164mm
		Optional accessories:.....	YKSG30 - Safety guard
			YKPP8 - Press pin set

4. ASSEMBLY

- 4.1. **YK30F.V2 30Tonne PRESS ASSEMBLY (use the exploded diagram (Fig.1) as a guide to assembly).**
Remove all components from the plywood packaging and ensure that anything stowed within the main frame is removed before the frame is raised vertical. The base sections (feet) and supports must be attached before the frame is raised vertical.
- 4.1.1. Attach a base section (05) to both posts and lower cross member (07) using bolts (08), washers (02), lock washers (03) and nuts (04). Attach two supports (06) diagonally to each of the post and base sections. Use bolts (01), washers (02), lock washers (03) and nuts (04) at each end of the supports. See inset fig.2.
- 4.1.2. Lifting from the upper cross members 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.
- 4.1.3. Insert the lower two bed frame pins (09) at the level required into the holes in each of the posts, ensuring that they are both on the same level. With the help of an assistant insert the bed frame (11) into the press frame and rest it onto the pins. Attach a circlip (10) to each end of each lower pin. Insert the two upper pins (09) through both the bed frame and the posts and attach a circlip (10) to each end of each upper pin.
- 4.1.4. Within the right hand end of the upper cross members is a platform to which the pump assembly (32) should be attached using three bolts (18) and three washers (02). See inset fig.3.
- 4.1.5. Bolt the gauge fitting (22) to the upper cross member using a nut (24). Screw the pressure gauge (13) onto the fitting ensuring you include the nylon sealing ring (23). Attached to the pump is a hydraulic hose which should be connected to the back of the gauge. See inset fig.4.
- 4.1.6. The sliding ram assembly is factory mounted to the upper cross members. The hydraulic hose (27) is already attached to the ram. Connect the free end (A) to the union on the pump (also labelled 'A' on the diagram below).
- 4.1.7. Slide the two handles (28 & 17) into their respective sockets and retain in place with bolts (31).
- 4.1.8. Place the two heel blocks (12) onto the bed frame (11).

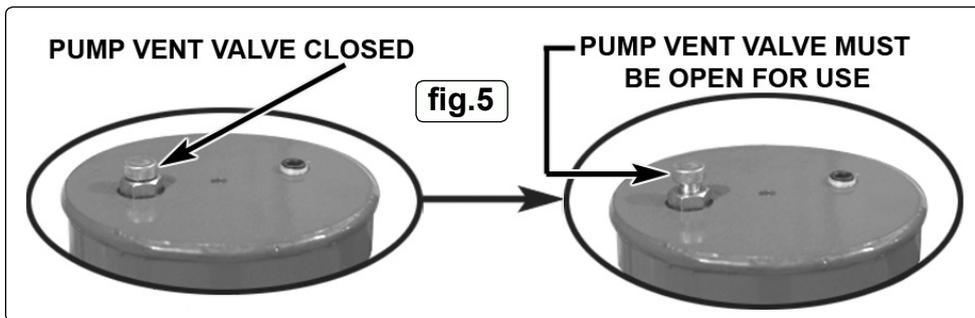


5. INSTALLATION

- 5.1. Securely attach the press to a flat, firm, level surface taking into account clearance for working pieces.
- ▲ **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.
- 5.2. **PURGE HYDRAULIC SYSTEM**
- 5.2.1. Before operating the press, the hydraulic system may require purging in order to eliminate any air that may have built up during transit. Open the release valve (33) by turning anti-clockwise and pump the handle (28) several times. Close release valve.
- 5.2.2. Should the system malfunction at any time, repeating this procedure may resolve the problem.
- ▲ **DANGER! Press is purpose designed to withstand greater loads than the hydraulic units can develop. For safety reasons, always ensure the workpiece is secured on the table to ensure loads that flex will not suddenly "give" causing danger to operator or damage to component. Ensure you have read and understood chapter 1 safety instructions.**

6. OPERATION

- 6.1. Position the work table at the required operating height by inserting the support pins into the appropriate holes in the main frame.
- 6.2. Place the heel blocks (12) onto bed frame (11), then place the workpiece onto the heel blocks and align beneath the ram as required.
- Note:** care must be taken to ensure a support block does not fall from the press work table. If necessary hold the configuration in position with clamps.
- 6.3. Fully open the pump vent valve within the oil filler nut and leave open for normal operation. (See fig.5).
- 6.4. Close the release valve (33) by turning it clockwise until it is firmly closed.
- 6.5. Pump handle (28) to quickly bring the ram into position on the workpiece. Before applying any pressure to the workpiece, recheck the alignment with the ram and ensure that the workpiece and press tools are supported in such a way that they cannot flex.
- **WARNING! DO NOT** apply off centre loads.
- 6.6. Use the pump handle (17) for smaller more controlled movements and applying load onto workpiece.
- 6.7. When work is done, stop pumping the handle. Slowly and carefully free load from workpiece by turning the release valve (33) anti-clockwise in small increments.
- Note:** Always keep the piston retracted after use to avoid ram corrosion.
- 6.8. Once ram has fully retracted, remove workpiece from work table.



7. MAINTENANCE

- Note:** Maintenance and repair must only be carried out by a qualified person. Contact your Sealey stockist for details.
- 7.1. Periodically lubricate all joints and moving parts.
- 7.2. Always keep the press clean, dry, and protected from harsh conditions.
- 7.3. Before checking the oil level make sure the ram is fully retracted. Remove the oil filler plug (30) from the top of the pump. The oil level should be just below the bottom of the filler hole. If it needs filling, use only Sealey hydraulic jack oil. (**DO NOT** use brake fluid. Contact your local Sealey stockist for details). Replace oil filler nut and purge system of air (see 5.2.1).
- 7.4. When replacing the hydraulic oil, ensure the piston is fully retracted.
- 7.5. If press efficiency begins to drop, purge the system to eliminate any air from the hydraulic system (see 5.2.1).
- 7.6. When not in use, store the press in a dry, childproof location with the ram and piston fully retracted.



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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