



HD-Series

Y461516 Manual Workshop press





HD-Series

Manual Workshop press



FOREWORD

We thank you for buying this Winntec quality product. Before using this product, carefully read these instructions and become acquainted with the safety symbols. For use, guarantee and maintenance regulations please visit www.winntec.net

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions carefully. Keep them in a safe place for later consultation.

SAFETY INSTRUCTIONS

This press has been designed for general bending, toughening, axis and bearing extraction work etc. Never use it for applications that should not be performed by a press. Always use the appropriate tool for each specific task. Handle the press correctly and ensure that all parts and components are in good condition and that no parts are missing prior to its use.

The press should only be used by authorized person should having read carefully and understood the contents of this manual. particularly children, away from the working area. 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. The press foot need to be mounted on the ground!

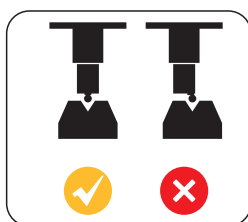
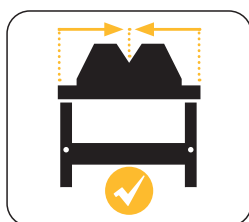
Make sure that the operator must wear protective cloth, gloves, safety helmet, shoes and ear protector during operating. To avoid accidents, always be aware of any on-going work on the machine. Also, always stay focused on the job to be done. Do not modify the press in any way. Safety valve should not be tampered with under any circumstances.

Never exceed the rated capacity of the press and V-blocks. Non-compliance with these instructions may result in injury or damage to the user, the press or the piece being manipulated.

The manufacturer accepts no responsibility for the improper use of the press or the component handled.



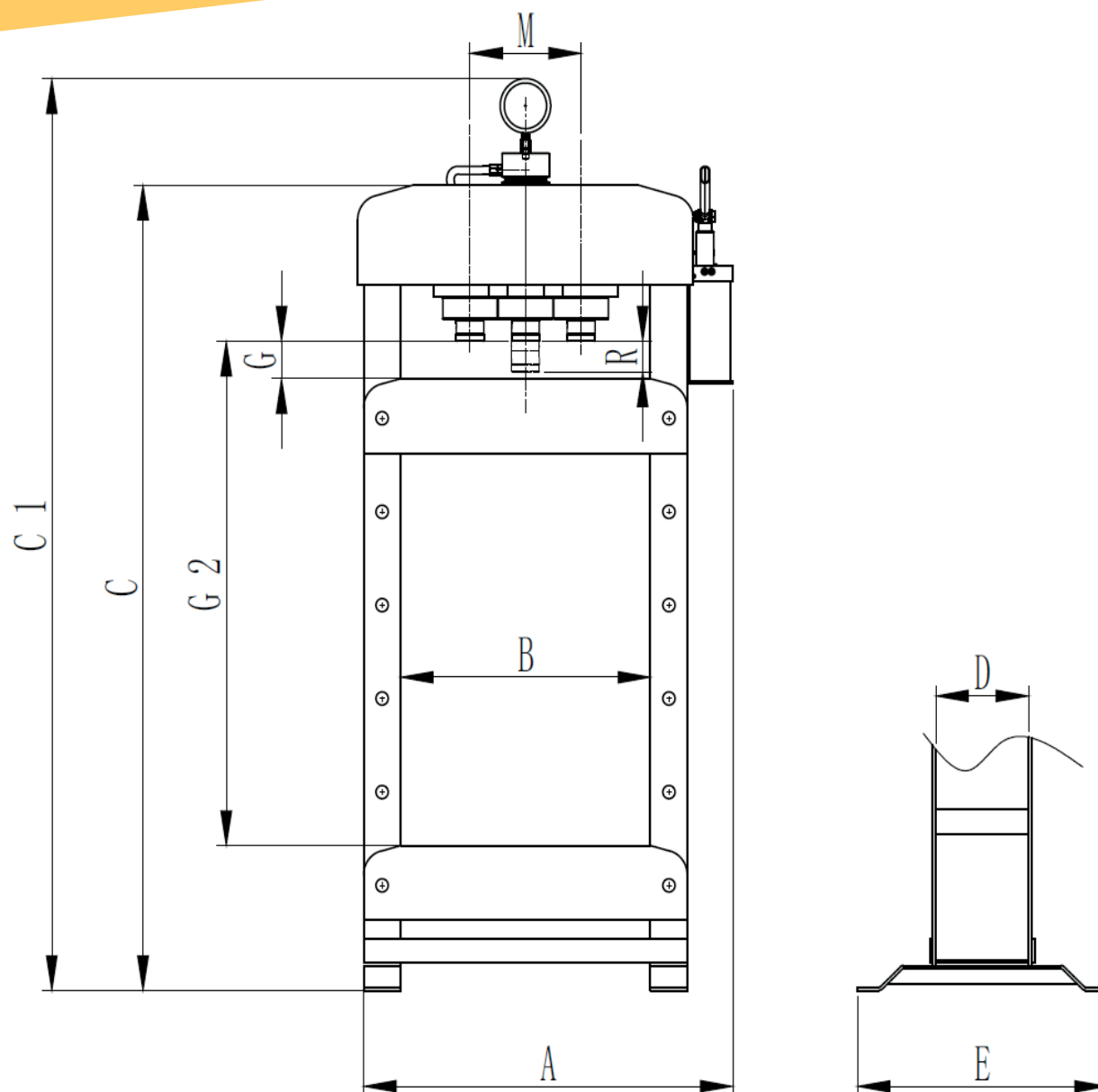
WARNINGS





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Model	A	B	C	C1	D	E	G	G2	R	M	
Y461516	678	440	850	1015	134	480	100	392	160	40	15 T

Winntec Europe

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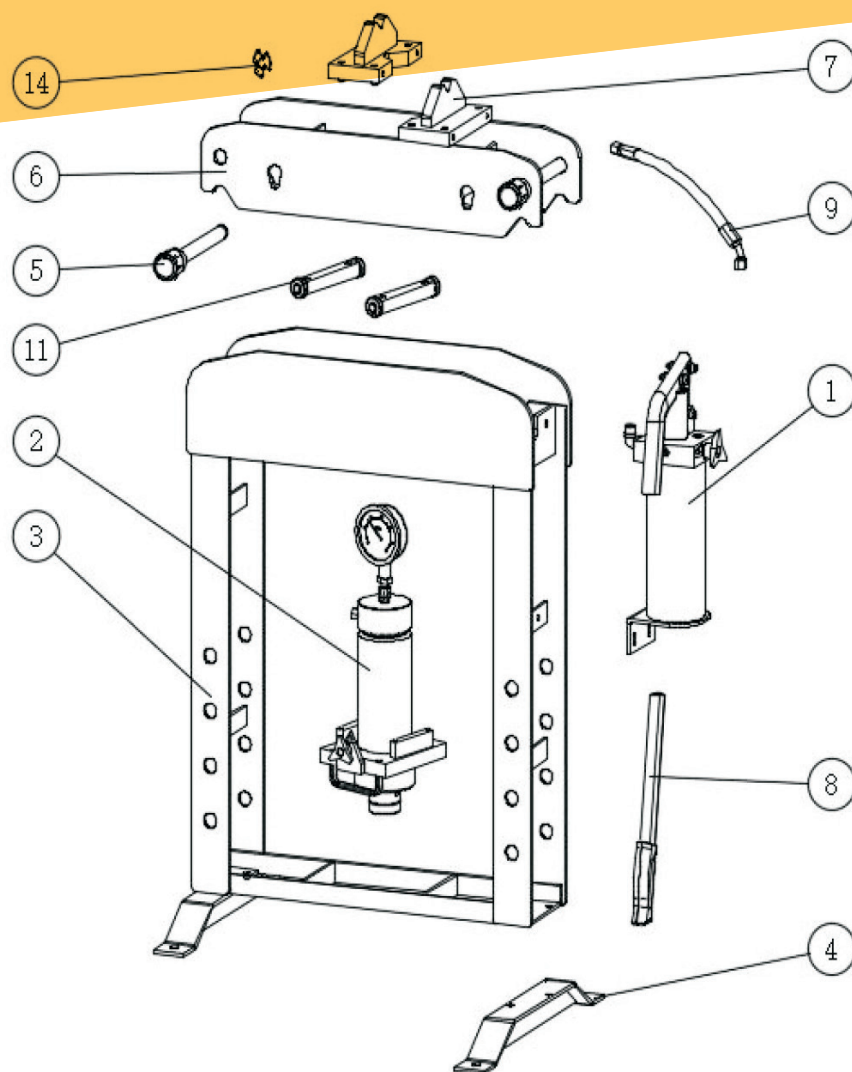
www.winntec.net



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Parts list Y461516

Manual Hydraulic Press

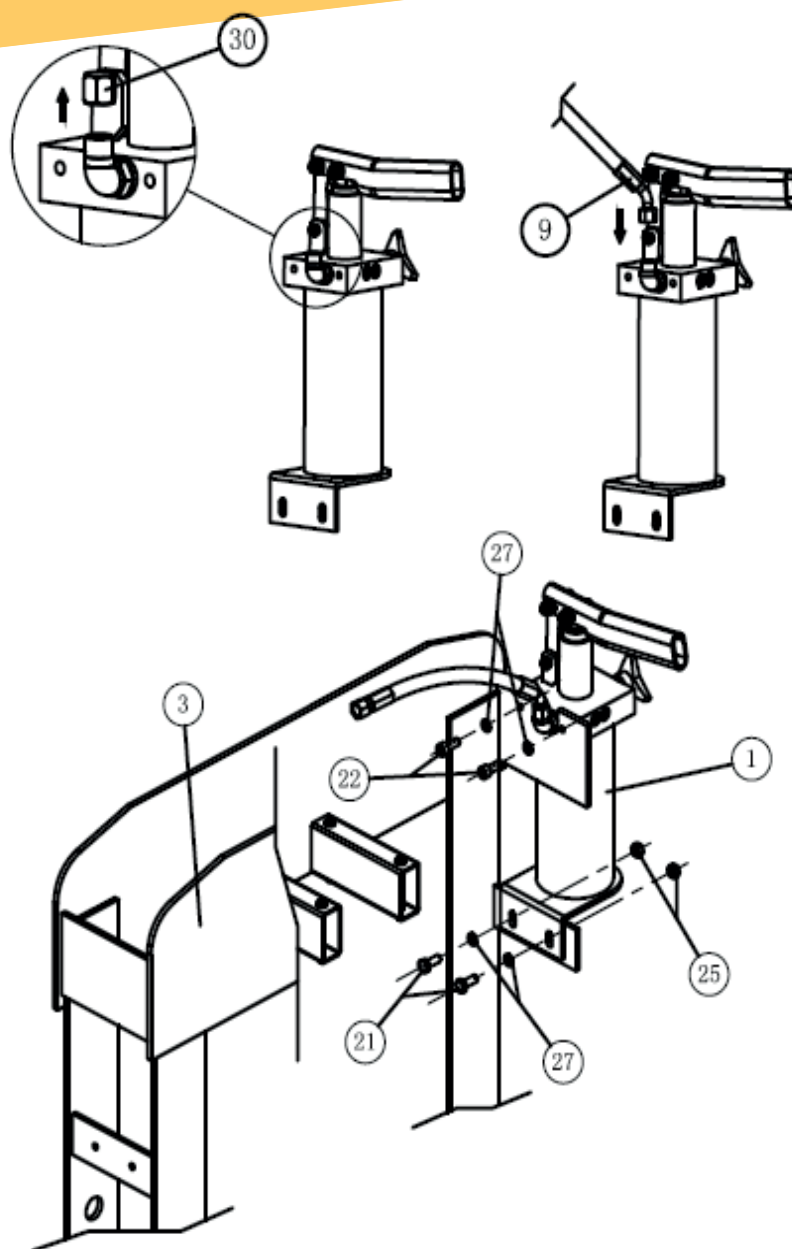


NR		QTY	NR		QTY
1	OIL PUMP ASSY	1	6	WORKING BENCH ASSY	1
2	OIL CYLINDER ASSY	1	7	V-BLOCK ASSY	2
3	FRAME ASSY	1	8	HANDLE ASSY	1
4	FOOT BASE ASSY	2	9	OIL PIPE	1
5	GEAR SHAFT	2	11	CYLINDER MOVING SHAFT	2
14	GEAR SHAFT CIRCLIP	2	24	OUTER HEX SCREW M10	4
20	OUTER HEX BOLT M10X25	4	25	OUTER HEX SCREW M8	4
21	OUTER HEX BOLT M8X20	2	26	SPRING WASHER Ø 10	4
22	INNER HEX BOLT M8X20	2	27	SPRING WASHER Ø 8	6
23	SHOULDER SCREW	4	30	OIL BLOCKING SCREW M14x1.5	2

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Prior to using the press

1.Oil Pump Assembly

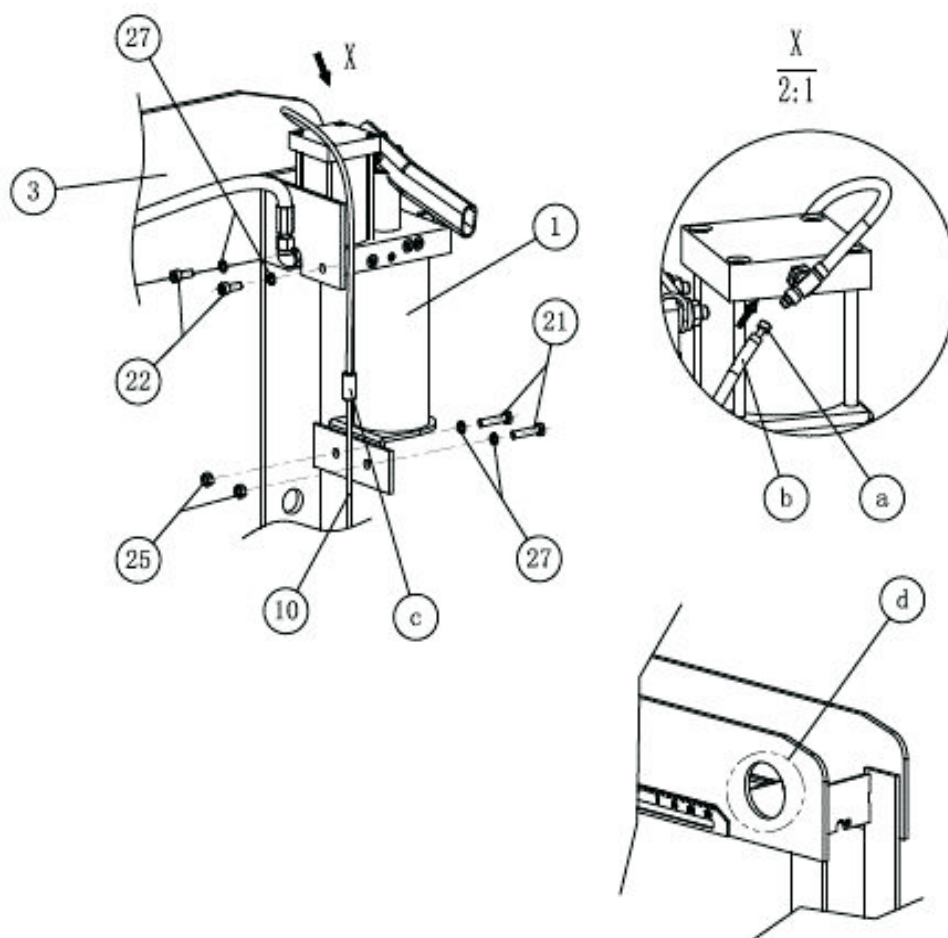


1. Remove part (30) from the oil pump;
2. Install the part (9) on the oil pump connector and tighten it;
3. Place part (1) on part (3) as shown in the figure;
4. Connect parts (1) and (3) with parts (21), (22), (25) and (27), and tighten the screws and nuts.

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Prior to using the press

1.Oil Pump Assembly 2

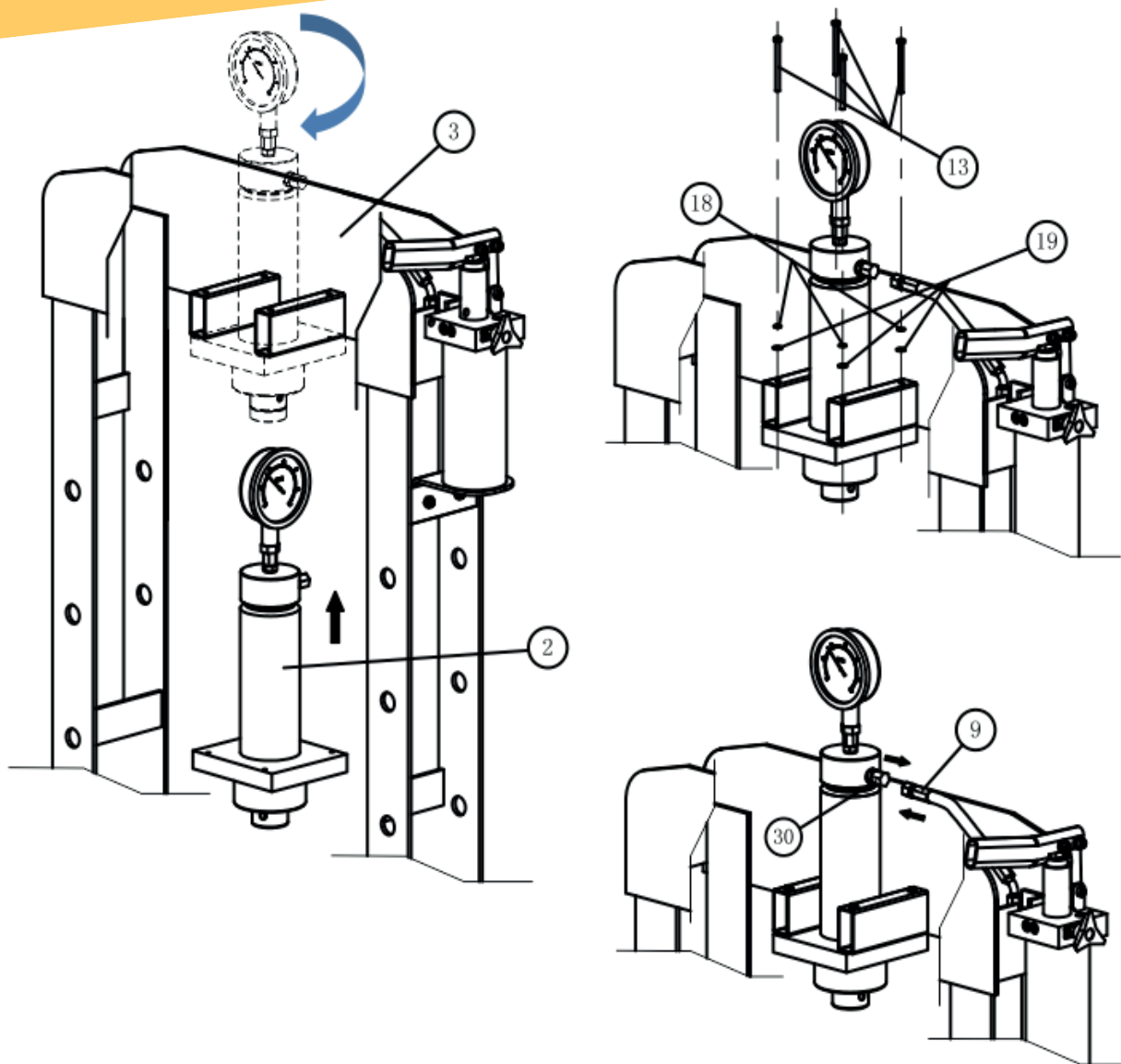


After the pump assy's installation, do as following steps:

1. Remove part (a) from air pipe (b) ;
 - 2.Install part (b) to the three-way inlet connector of the oil pump and tighten the ferrule;
 3. Insert the air pipe (10) into three places of (c) in turn;
- Note:When installing the oil pump of SP-50EAM and SP-50EM, please avoid bumping into the pressure gauge, and try to make the pressure gauge in the center of (d).

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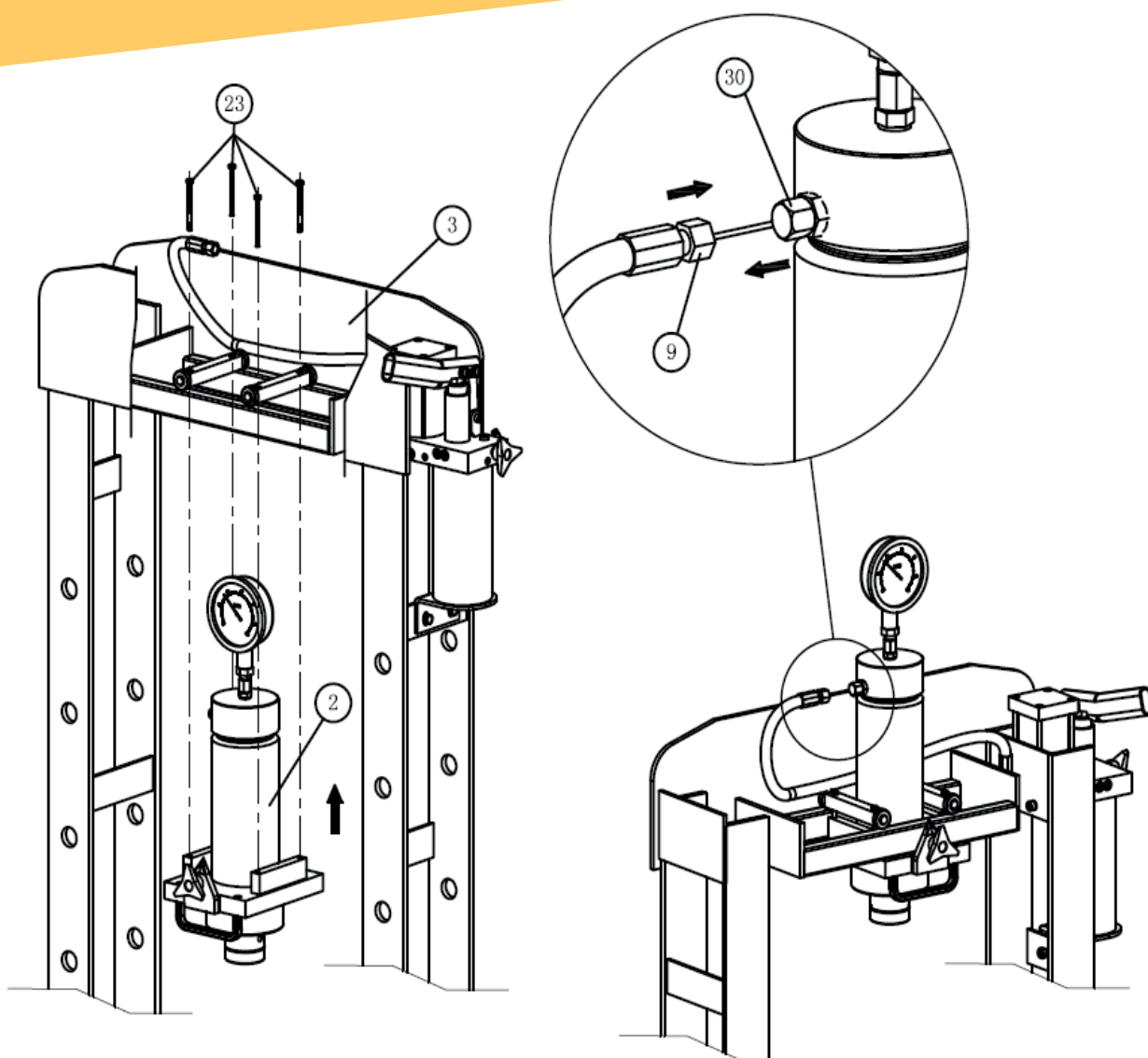
2. Oil Cylinder Assembly for Non-Moveable Type



1. Put part ② under part ③, and attention that the oil pressure gauge of part ② must face the left or right side of part ③;
2. Rotate part ② 90 ° so that the oil pressure gauge faces the front of part ③ , as well as the operator (as shown in the figure);
3. Use parts ⑬, ⑱ and ⑲ to connect and fix part ② ③, and tighten the screws;
4. Remove part ⑳ from the cylinder;
5. Connect the part ⑨ to the oil inlet connector of the oil cylinder and tighten it.

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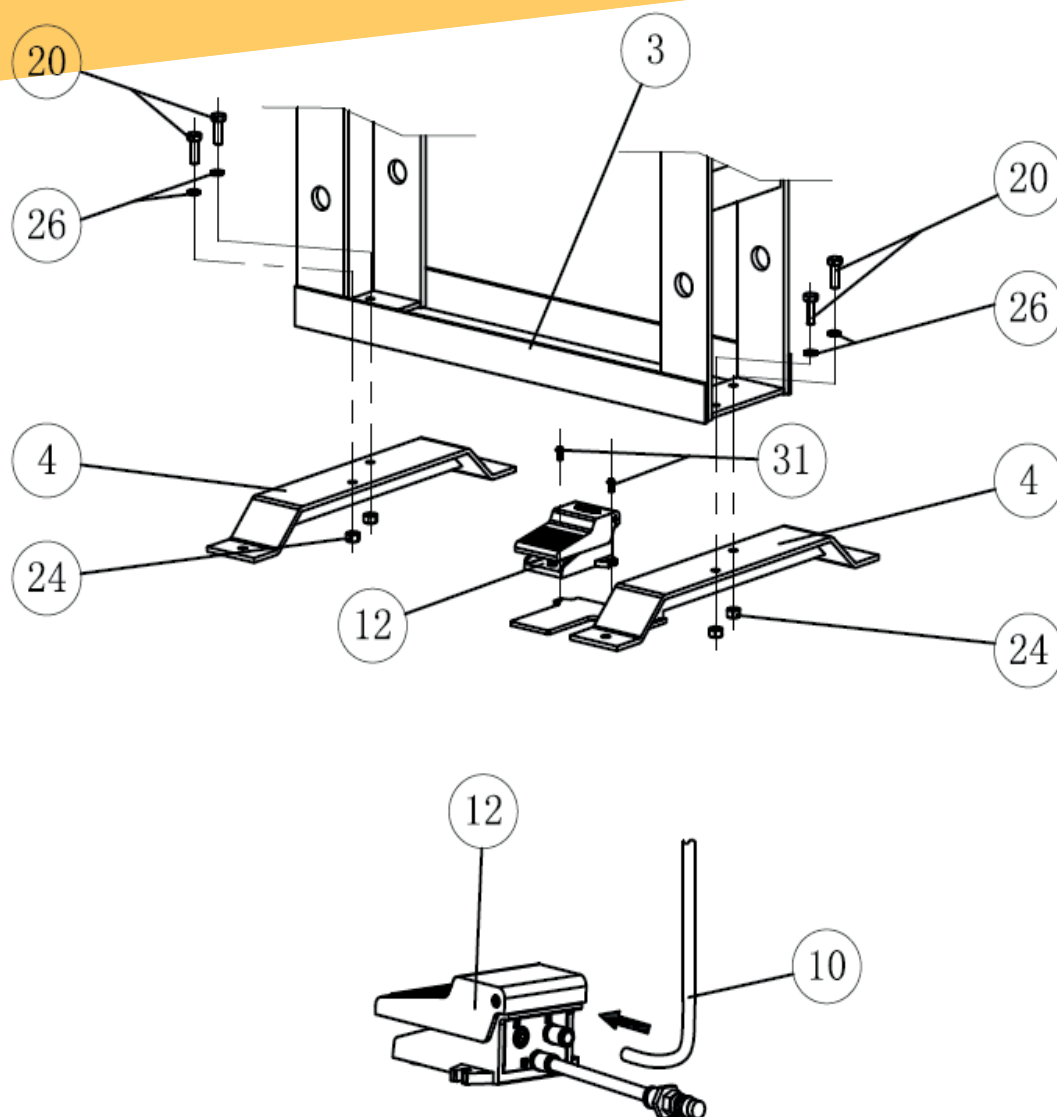
2. Oil Cylinder Assembly for Moveable Type



1. Put part ② under part ③, and attention that the oil pressure gauge should face the operator;
2. Use Part ②③ to connect parts ② and ①① as shown in the figure, and tighten them;
3. Remove part ③① from the oil cylinder;
4. Connect the part ⑨ to the oil-inlet connector of the oil cylinder and tighten it.

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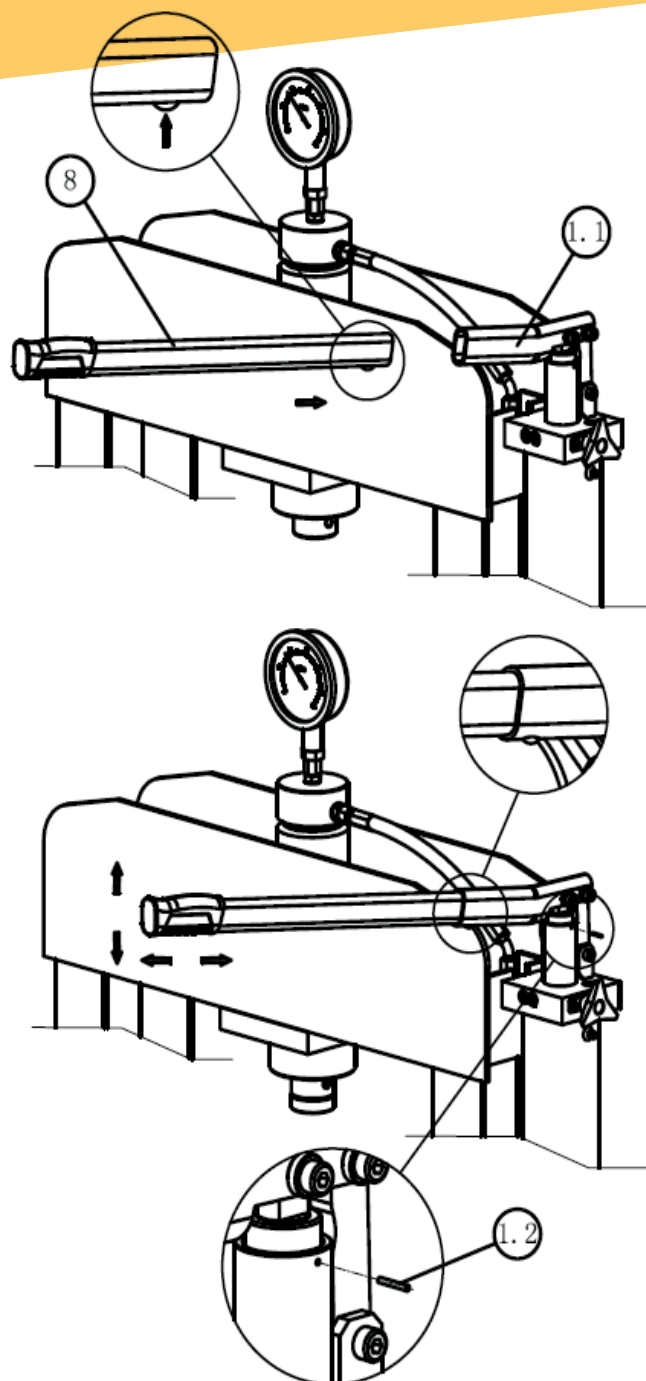
3 Foot Base Assembly



1. Use Part (31) to fix part (12) on part (4);
2. Use part (20), (24) and (26) to connect and fix part (3) and (4), and tighten bolts and screws.
3. Insert part (10) into the connector on Part (12).

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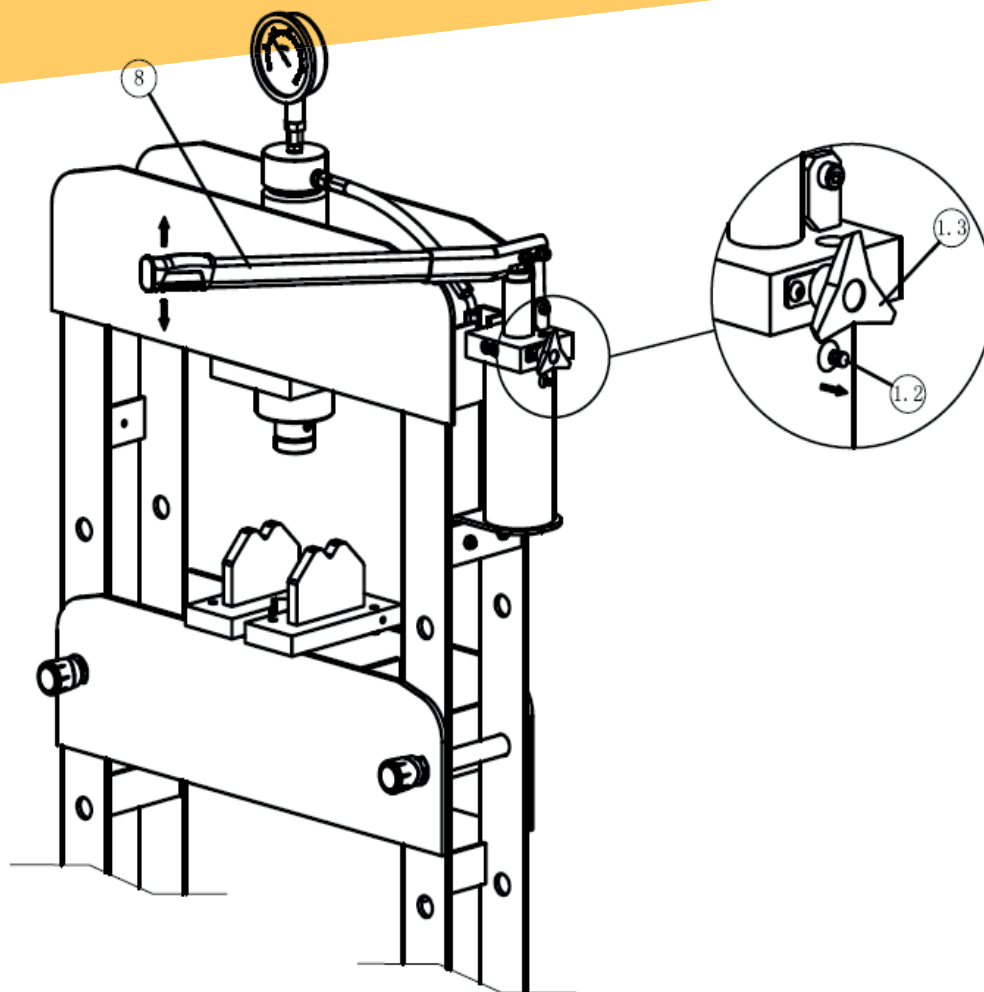
4. Handle Assembly



1. Press the button of part ⑧;
2. Insert part ⑧ into part ①.1 until the button pops up;
3. Shake the part ⑧ up and down to ensure they are installed in place;
4. Pull out the plunger fixing pin ①.2.

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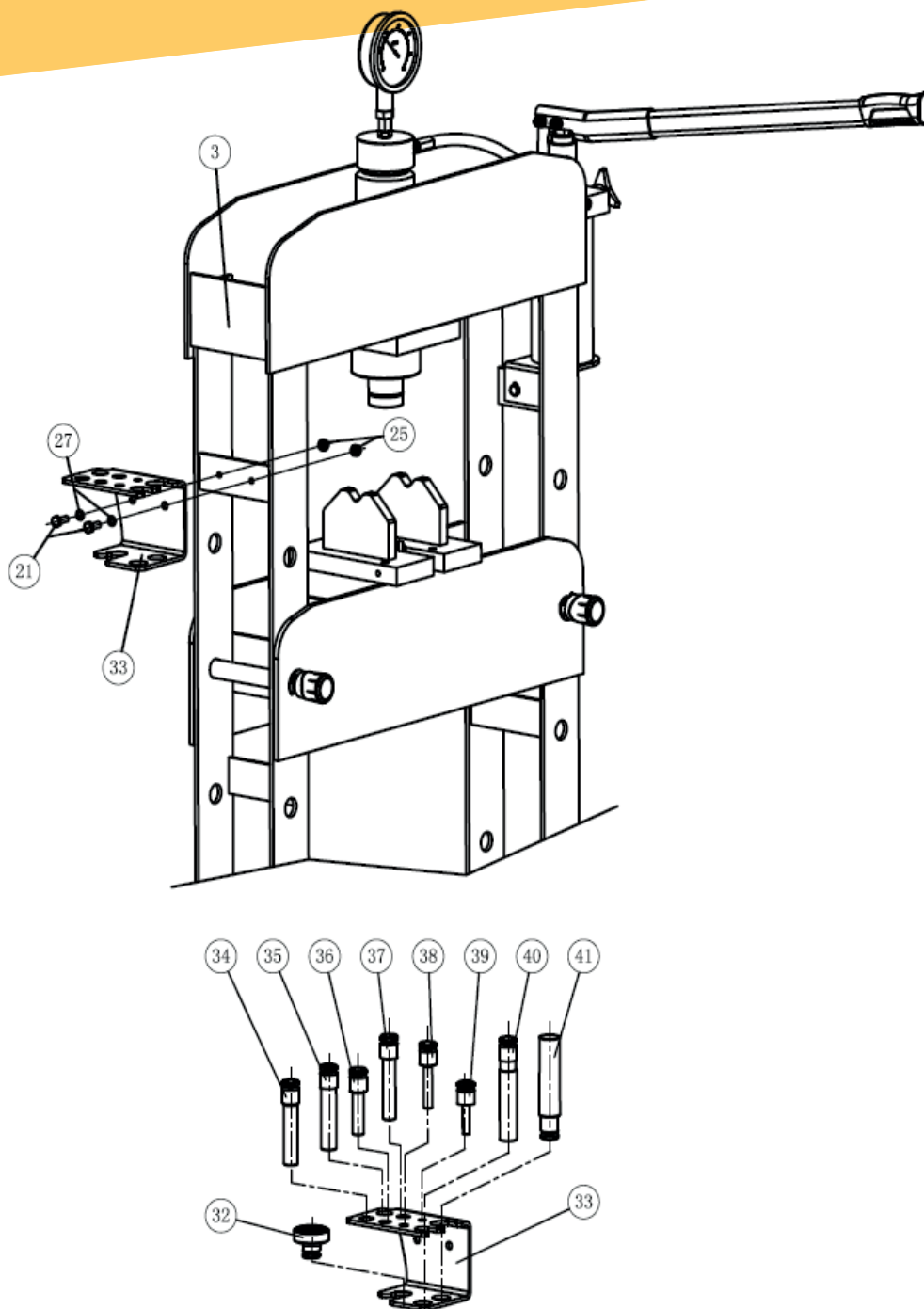
5. Hydraulic Circuit Exhaust



1. Pull out the plug of part (1.2);
2. Rotate the part (1.3) half a circle anticlockwise to open the pressure relief valve;
3. Shake the handle (8) 10 times to activate the manual pump;
4. Turn part (1.3) clockwise to close the pressure relief valve. Ready for use.

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6. Pin Sets Shelf Assembly



1. Fix part (33) to part (3) with parts (21), (25) and (27);

2. Place the pins ((33) ~ (41)) on Part (33) in turn.

* Except for Part (32), parts (33) ~ (41) are optional parts and need to be purchased separately.



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USE AND OPERATION

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions carefully. Keep them in a safe place for later consultation.

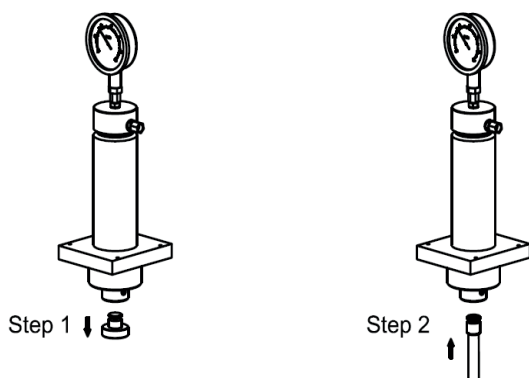
- Make Sure every part is fixed and tightened, and the press should be placed on a firm, regular and horizontal surface.
- Ensure work bench is at proper position and is locked by the axles.
- Leave enough sapce around the press while it is in operation so that it is always easily accessible.
- The V-blocks must be used by pair,not by piece.
- Only one authorized person having read carefully and understood the contents of this manual is allowed to operate the press.

OPERATION DESCRIPTION

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and Close the pressure relief valve by turning it clockwise until it is firmly closed.

- Swing the hand le or step on the foot valve until the saddle is close to the workpiece.
- Align the workpiece and the saddle so that the workpiece is properly centered.
- Activate the pump to apply pressure to the workpiece.
- When the work is finished, stop the pump and open the pressure relief valve to remove the workpiece.

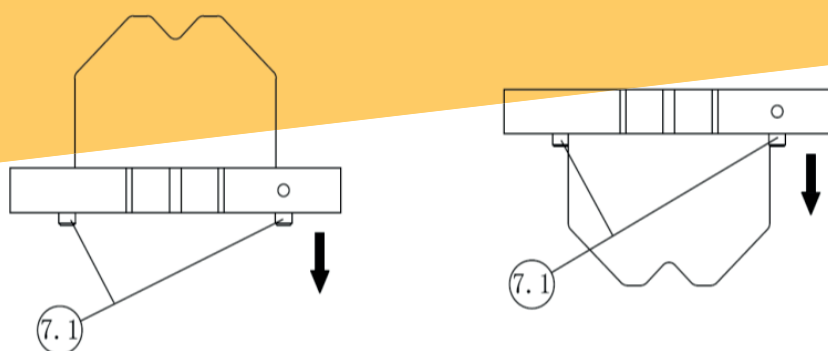
Replacement from Top Cover to Pin Sets Operation



*Pin sets and its shelf are optional parts and need to be purchased separately.

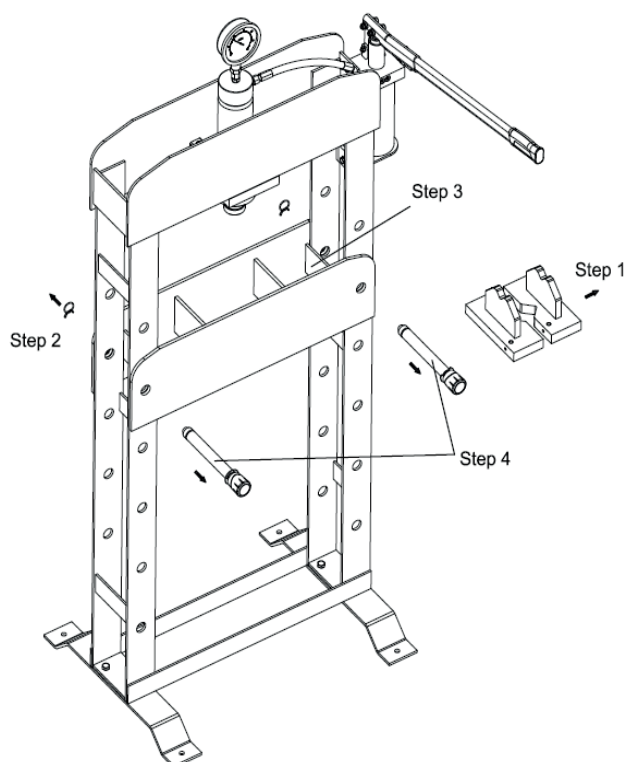
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V-BLOCKS OPERATION



*When using the V- blocks, please always keep the pins of part (7.1) protruding downward.

WORK BENCH OPERATION



1. Remove the V-block from the workbench;
2. Remove the circlip;
3. Support the workbench with bracket or use other ways to prevent it from falling;
4. Pull out the gear shafts and move the workbench to the needed height;
5. Insert the gear shafts back.

Note: when operating the workbench, there must be no parts and V-blocks on the workbench to prevent any injury caused by their falling.



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Maintenance Instruction

CAUTION

Do not use damaged/deformed product. If abnormal noise or vibration occurs, stop using immediately, then inspect and ask manufacturer for help. It is recommended that this inspection be made by a manufacturer's authorized repair facility.

Keep the press clean and well lubricated to prevent foreign matter from entering the system. If the press has been exposed to rain, snow, sand, or grit, it must be cleaned before it is used.

Store the press, with pistons completely retracted, in a well-protected area where it will not be exposed to corrosive vapors, abrasive dust, or any other harmful elements.

Periodically check the condition of the press.

Store the product in dry and non-corrosion environment.

Owners and /or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that an annual inspection of the product be made by a manufacturer's or supplier's authorized repair facility and that any detective parts, decals, or safety labels or signs be replaced with manufacturer's or supplier's specified parts. A list of authorized repair facilities is available from the manufacturer or supplier, please call them for help.

Any product that appears to be damaged in any way, is found to be worn, or operates abnormally SHALL BE REMOVED FROM SERVICE UNTIL REPAIRED. It is recommended that necessary repairs be made by a manufacturer's or supplier's authorized repair facility if repairs are permitted by the manufacturer or supplier.

Only attachments and/or adapters supplied by the manufacturer shall be use.

MAINTENANCE

Lubricate the axes and moving parts at regular intervals. The elements of the press should be kept clean and protected from aggressive conditions at all times. Always use original spare parts.