

VEVOR 6T

VEVOR 6-Ton Hydraulic Shop Press User Manual

Model: 6T (B0BZ7ZVCBY)
For models: 6T, 10T, 12T, 20T, 30T

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your VEVOR Hydraulic Shop Press. Please read this manual thoroughly before assembly or operation.

The VEVOR Hydraulic Shop Press is designed for pressing, bending, straightening, and stamping tasks in automotive, industrial, and general workshop environments. Its robust H-frame construction and adjustable worktable make it suitable for a variety of applications.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and steel-toed boots.
- Ensure the press is securely mounted to a stable, level surface before operation.
- Do not exceed the rated capacity of the press (6 tons for this model).
- Keep hands and body clear of the work area during operation.
- Inspect the press for damage or wear before each use. Do not operate if damaged.
- Use only VEVOR approved replacement parts.
- Keep children and unauthorized personnel away from the press.
- Do not modify the press in any way.

3. COMPONENTS AND ASSEMBLY

Familiarize yourself with the components before beginning assembly.





Figure 3.1: Exploded view of VEVOR Hydraulic Shop Press components and accessories.

Components List:

- 1 x Hydraulic Shop Press Frame
- 1 x Hydraulic Bottle Jack (6T)
- 2 x Springs
- 1 x Pump Handle
- 2 x Movable Stamping Plates
- Assembly Hardware (bolts, nuts, washers, pins)

Assembly Steps:

1. **Assemble the Base:** Attach the two base feet to the vertical frame uprights using the provided bolts and nuts. Ensure all connections are secure.
2. **Install Cross Beams:** Secure the horizontal cross beams to the vertical uprights using the appropriate bolts. These beams provide structural integrity.
3. **Attach Press Platform:** Insert the adjustable press platform into the desired height holes on the vertical uprights, securing it with the provided pins.
4. **Mount Hydraulic Jack:** Place the hydraulic bottle jack onto the top support plate. Ensure the jack's ram aligns with the center of the press platform. Attach the return springs to the top plate and the press platform.
5. **Position Stamping Plates:** Place the two movable stamping plates on the press platform. These plates can be adjusted to accommodate various workpieces.

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Video 3.1: Official VEVOR video demonstrating the assembly of the Hydraulic Shop Press. This video shows the step-by-step process of putting together the frame, installing the hydraulic jack, and positioning the work plates.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your hydraulic shop press.

1. **Prepare Workpiece:** Place the workpiece securely on the movable stamping plates. Ensure it is centered and stable.
2. **Adjust Height:** Adjust the height of the press platform using the pins to achieve the optimal working distance for your workpiece. The adjustable range is 2.2" to 9.8".

SECURE DESIGN FOR RISK-FREE OPERATION

Automatically release pressure when exceeding 6 tons



Figure 4.1: The press features a 4-hole adjustable height worktable, allowing for a minimum working distance of 2.2 inches (55mm) and a maximum of 9.8 inches (250mm).

- 3. Apply Pressure:** Insert the pump handle into the hydraulic jack's pump mechanism. Pump the handle to extend the ram and apply pressure to the workpiece.

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Video 4.1: This video demonstrates the operation of the VEVOR Hydraulic Shop Press, showing how to apply pressure for tasks like pressing bearings or bushings. It highlights the smooth hydraulic action.

- 4. Release Pressure:** To release pressure, slowly turn the release valve on the hydraulic jack counter-clockwise. The ram will retract. The built-in relief valve automatically activates if pressure exceeds 6 tons, preventing damage.

6 TON / 13000 LBS HYDRAULIC SHOP PRESS

Your perfect partner for auto repair



Auto Small Hub Bearing



Auto Control Arm Bushing



U-Joint



Control Arm Ball Joint



Figure 4.2: The hydraulic jack features a built-in relief valve that automatically releases pressure when exceeding 6 tons, ensuring safe operation and preventing overpressure damage.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your VEVOR Hydraulic Shop Press.

- **Cleaning:** Keep the press clean and free of dirt, grease, and debris. Wipe down the frame and hydraulic components after each use. The powder-coated finish is corrosion-resistant and easy to clean.
- **Lubrication:** Periodically lubricate all moving parts and pivot points with a suitable machine oil.
- **Hydraulic Fluid:** Check the hydraulic fluid level regularly. Refill with high-quality hydraulic jack oil if necessary. Refer to the jack's specific instructions for fluid type and filling procedure.
- **Inspection:** Regularly inspect all bolts, nuts, and pins for tightness. Check for any signs of wear, damage, or corrosion on the frame, springs, and hydraulic cylinder.
- **Storage:** Store the press in a dry, clean environment when not in use.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your hydraulic shop press.

Problem	Possible Cause	Solution
Press not lifting or losing pressure.	Low hydraulic fluid; Air in hydraulic system; Faulty release valve.	Check/refill hydraulic fluid; Bleed air from system (refer to jack manual); Inspect/replace release valve.
Ram not retracting fully.	Release valve not fully open; Springs are weak or damaged.	Ensure release valve is fully open; Replace springs.
Unstable operation.	Press not securely mounted; Loose bolts/nuts.	Securely mount press to a stable surface; Tighten all assembly bolts and nuts.

7. SPECIFICATIONS

Feature	Detail
Brand	VEVOR
Model	Hydraulic Shop Press (6T)
Rated Load	6 Ton / 13000 lbs
Stroke	4.3" / 110 mm
Overall Height	35.7" / 908 mm
Product Dimensions	19.5" x 15.7" x 35.7"
Net Weight	48.5 lbs / 22 kg
Material	Carbon Steel (0.1" thickened)
Finish	Powder-coated
Adjustable Height Range	2.2" to 9.8"

8. WARRANTY AND SUPPORT

VEVOR products are designed for durability and performance. For warranty information or technical support, please refer to the official VEVOR website or contact their customer service directly.

Online Resources:

- Official VEVOR Store: [Visit the VEVOR Store on Amazon](#)
- Customer Support: Refer to your purchase documentation for specific contact details.