



20 Ton Hydraulic Shop Press

Instructions for Part # BD-PRESS-20H-KIT



GENERAL GUIDELINES & SAFETY

- DO NOT exceed rated capacity.
- Only use this press on a surface that is stable, level, dry and not slippery, and capable of sustaining the load.
- DO NOT use it for any other purpose it is not designed to perform.
- DO NOT use the shop press to compress spring or any other item that could disengage and cause a potential hazard. Never stand directly in front of loaded press and never leave loaded press unattended.
- DO NOT exceed the ram stroke, so as not to damage the press.
- DO NOT allow untrained persons to operate the press. DO NOT make any modifications to the press.
- DO NOT use brake fluid or any other improper fluid and avoid mixing different types of oil when adding hydraulic oil.
- DO NOT expose the press to rain or any other kind of bad weather.
- DO NOT operate the press when you are tired or under the influence of alcohol, drugs or any intoxicating medication.
- Keep children and unauthorized persons away from the work area.
- Remove ill fitting clothing. Remove ties, watches, rings and other loose jewelry, and contain long hair
- Keep the surface clean, tidy and free from unrelated materials and ensure that there is adequate lighting.
- Keep hands and feet away from working table area at all times.
- Check the press for loose or damaged parts before each operation. Replace damaged parts and tighten all bolts
- Wear CE/ANSI approved impact safety goggles, full-face impact safety shield and heavy-duty work gloves and shoes when operating the press.
- **WARNING:** The warnings, cautions and instructions discussed in this instruction 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 supplied by the operator.

BEFORE USE

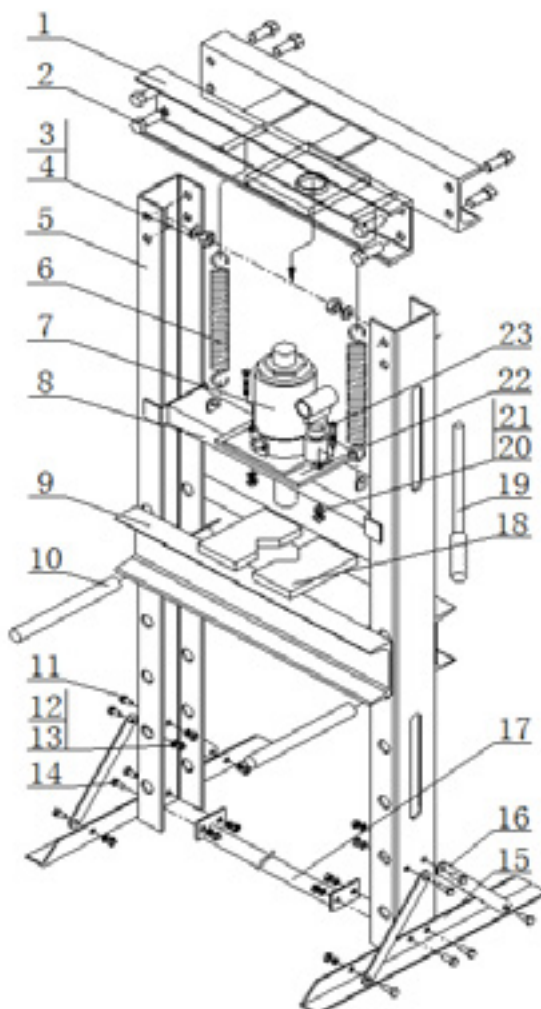
- Purge air away from hydraulic system
- Manual operating system: open the release valve by turning it counterclockwise. Pump several full strokes to eliminate any air in the system. Close the release valve.
- Carefully and slowly pinch oil fill plug to release trapped air.
- Check all parts and conditions, if there is any part broken, stop using it and contact your supplier immediately.

PARTS LIST

Tools Needed: 24mm wrench, 17mm wrench, 13mm wrench

Part	Description	Qty
1	Upper cross beam	1
2	Bolt M16X35	8
3	M16 washer	8
4	M16 nut	8
5	Post	2
6	Spring	2
7	Bottle Jack	1
8	Ram Base	1
9	Working Table	1
10	Pin	2
11	Bolt M10X25	8
12	M10 washer	12

Part	Description	Qty
13	M10 nut	12
14	Bolt M10X30	4
15	Base	2
16	Support	4
17	Lower cross beam	1
18	Steel plate	2
19	Handle	1
20	M8 nut	2
21	M8 washer	2
22	Pump base	1
23	Bolt M8X60	2



ASSEMBLY

*****All relevant safety regulations must be strictly adhered to! Use the drawing on page 2 as your guide to assemble.**

- Attach one side post base to the post and repeat for another post. Then connect the two post with bottom crossbeam.
- Attach upper crossbeam to the post. Keep the frame in an upright position.
- Attach Ram base to the upper crossbeam with spring. Attach pump and pump base on the ram base.
- Insert pins into the same level of holes on the post, then assemble the working table and put it on the pins.
- Tighten all bolts and nuts.
- Insert the handle into the pump hole of the pump.
- Place arbor plates on the working table.

OPERATION

- Adjust the working table to the required height. Place the arbor plate on the working table, then insert work-piece onto arbor plate.

CAUTION

****ARBOR PLATES MUST BE USED AS A PAIR, NOT INDIVIDUALLY!**

**** ARBOR PLATES CAN BE USED ON BOTH SIDES.**

- Close release valve by turning clockwise until it is firmly closed.
- Pump the handle until ram nears work-piece.
- Align work-piece and ram to ensure center loading.
- Pump handle to apply load onto work-piece.
- When work is done, stop pumping handle, slowly and carefully remove load from work-piece by turning the release valve counterclockwise in small increments. (Must turn valve in small amounts, the most is two full twists).
- After ram has fully retracted, remove work-piece from working table.

MAINTAINENCE

- Periodically, lubricate all moving parts including the pump piston and hydraulic ram.
- When not in use, store the press in a dry location with ram and piston fully retracted.
- Check hydraulic oil level and ensure all connections and hoses are well before use.
- If the press needs repairing and/or there are any parts that need to be replaced, have it repaired by authorized and trained technicians and only use replacement parts supplied by the manufacturer.

TROUBLESHOOTING

No.	Fault	Cause	Remedy
1	Pump does not work	1. Overload 2. Release valve not completely closed 3. Air in hydraulic system	1. Remove partial overload 2. Check the release valve 3. Purge air away
2	Can't pump to the full stroke	1. The oil is not enough Add oil 2. Air in hydraulic system	1. Add oil 2. Purge air away
3	Oil leaking	1. Seals broken 2. Screw parts loose	1. Replace the seal kits 2. Tighten the screw parts

PRODUCT WARRANTY & LIABILITY

GENERAL PRODUCT WARRANTY: Products purchased from the Authorized Dealer (original place of purchase) or Merchant ("Dealer") will be free of defects in material and workmanship at the time of receipt, and will meet the specifications stated at the place of purchase transaction or online at the Dealer's website, under normal use and service when correctly installed, operated and maintained. This product warranty is effective for the period of time stated below, unless otherwise stated in the product instructions or depicted in the product advertisement. All Authorized Dealer warranties are NON-TRANSFERABLE and cover only the original end purchaser. This limited warranty does not cover products purchased through non-authorized dealers. Non-authorized dealer receipts are not accepted for warranty verification.

*****WARRANTY CLAIMS MUST BE MADE DIRECTLY TO THE ORIGINAL PLACE OF PURCHASE.*****

WARRANTY PERIOD: This warranty remains in force for one year from the date of the product's accepted delivery. The Authorized Dealer offers a one year manufacturer's warranty for most products unless otherwise specified on the product advertisement.

WARRANTY SERVICE: The Authorized Dealer will replace any defective or malfunctioning part at no charge, including payment of the shipping costs of parts or replacement product to and from the manufacturer. The purchaser is responsible for labor charges. If the product does not meet specifications as depicted in the advertisement, the Authorized Dealer will refund the full purchase price of the product.

Questions regarding the warranty on a specific product and warranty claims should be directed to the Authorized Dealer with whom the purchase transaction was made.

WARRANTY LIMITATIONS: The above warranty does not apply to products that are repaired, modified or altered by any party other than the Authorized Dealer; are subjected to unusual physical stress or conditions (such as overloaded ramps or corrosion), natural disaster, governmental actions, wars, strikes, labor disputes, riots, theft, vandalism, terrorism or any reason beyond reasonable control; are damaged due to improper installation, misuse, abuse, accident or negligence in use, storage, transportation or handling, or tampering; or to products that are considered consumable items or items requiring repair or replacement due to normal wear and tear. Product should be inspected prior to signing for delivery. Product damage incurred during shipping, unless noted on the Bill of Lading at the time of delivery, renders this warranty void.

LIMITED LIABILITY: In no event shall **THE AUTHORIZED DEALER** be liable to the purchaser or any third party for any indirect, incidental, consequential, special, exemplary or punitive damages arising out of the use of the product, including, without limitation, property damage, loss of value of the product or any third party products that are used in or with the product, or loss of use of the product or any third party products that are used in or with the product.

