



# 20 Ton A-Frame Shop Press

MODEL H6230

## INSTRUCTION SHEET

### Introduction

The Model H6230 20 Ton A-Frame Shop Press (**Figure 1**) features 20 tons of pressure to handle forming, bending, and wheel installation.

The Model H6230 was carefully packed when it left our warehouse. If you discover this press is damaged after you have signed for delivery, *immediately call Customer Service at (570) 546-9663 for advice. Save all the packing materials for possible inspection by the carrier or its agent. Otherwise, filing a freight claim can be difficult.*

When you have inspected the condition of your shipment, you should inventory the contents.



Figure 1. Model H6230.

### Figure 2 - Inventory.

A.	Header.....	1
B.	Springs .....	2
C.	Header Supports .....	4
D.	Uprights .....	2
E.	Jack Plate.....	1
F.	Upright Supports .....	4
G.	Base Supports.....	2
H.	Support Rods .....	2
I.	Spreader.....	1
J.	Crossbeams .....	2
K.	Table Plates .....	2
L.	Table .....	1
M.	Hydraulic Jack .....	1
N.	Jack Handle.....	1
P.	Bolt Bag.....	1
	—Spacers 8mm.....	4
	—Hex Bolts M16-2 X 40 .....	4
	—Flat Washers 16mm .....	6
	—Hex Nuts M16-2.....	6
	—Hex Bolts M12-1.75 X 25 .....	4
	—Flat Washers 12mm .....	4
	—Hex Nuts M12-1.75.....	4
	—Hex Bolts M16-2 X 65 .....	2
	—Hex Bolts M8-1.25 X 25 .....	12
	—Lock Washers 8mm.....	14
	—Hex Nuts M8-1.25 .....	14
	—Hex Bolts M8-1.25 X 55 .....	2

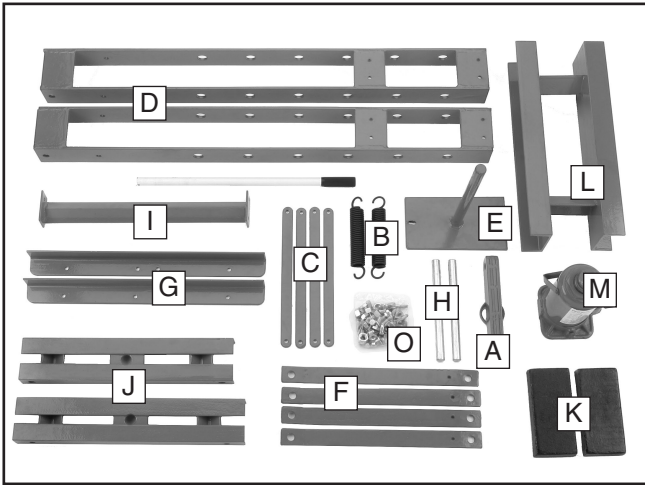


Figure 2. Inventory.



### ! WARNING

Always use ANSI approved safety glasses when operating machinery.

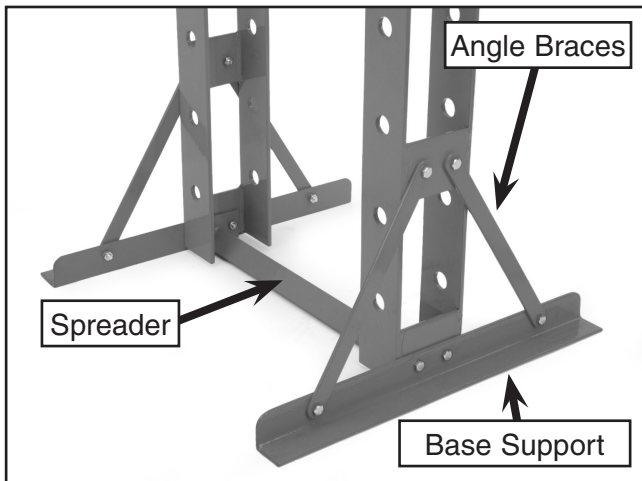
### ! WARNING

This Shop Press is not a toy. DO NOT allow children to use this press. Serious injury may occur if this press is used incorrectly.



# ASSEMBLY

1. Place the spreader between the uprights and thread M8-1.25 x 25 hex bolts through the holes in the spreaders, the uprights, and the base supports and secure with 8mm lock washers and hex nuts (**Figure 3**).



**Figure 3.** Installing the base supports.

2. Place an 8mm spacer between the the angle braces and the uprights. Attach the angle braces with M8-1.25 x 25 hex bolts, 8mm lock washers, and hex nuts.
3. Tilt the frame up and place each support rod through the third hole from the bottom of an upright.
4. Slide the table over the frame and insert the support rods (**Figure 4**).



**Figure 4.** Table placement.

5. Align a crossbeam with the second set of holes from the top and secure it with M12-1.75 x 25 hex bolts, washers and hex nuts.
6. Align the second crossbeam with the top holes in an upright. Slide a header support onto an M16-2 X 40 hex bolt and thread the hex bolt through the header and crossbeam (**Figure 5**).



**Figure 5.** Crossbeam assembly.

7. Place another header support over the hex bolt, and secure with a 16mm washer and an M16-2 hex nut.
8. Repeat **Steps 6–7** for the other end of the crossbeam.
9. Slide the rod of the jack plate down through the holes in the crossbeams (**Figure 6**).



**Figure 6.** Jack plate installation.

- Slide the header between the header supports, and thread the M16-2 x 65 hex bolts through the supports and the header. Secure the hex bolts with 16mm flat washers and M16-2 hex nuts (**Figure 7**).



**Figure 7.** Header installation.

- Insert the M8-1.25 x 55 hex bolts through the header supports, and thread 8mm lock washers and M8-1.25 hex nuts onto the bolt.
- Hang the springs from the hex bolt through the header support, lift up the jack plate, and hook the springs through the holes in the jack plate.
- Press the jack plate down and slide the hydraulic jack between the jack plate and the header (**Figure 8**).

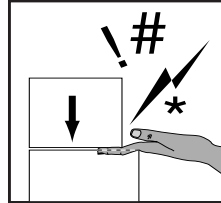


**Figure 8.** Jack installation.

# OPERATIONS

## **!WARNING**

**DO NOT** compress springs or other objects that could be ejected from the press.



## **!WARNING**

**Keep hands away from the pressure head and out of support rod holes.**

- Lift the table until there is just enough room for the table plates and workpiece between the table and the jack plate rod. Place the support rods through the uprights and lower the table onto the support rods.
- Place the table plates on the table and put the workpiece on the table plates.

## **!WARNING**

**Always center the workpiece on the table plates and center the pressure head on the workpiece to prevent injury by ejection of the workpiece.**

- Turn the pressure release valve clockwise to close.
- Pump the handle of the hydraulic pump to push the pressure head against the workpiece.
- Turn the pressure release valve counter-clockwise to allow the pressure head to move up. Remove the workpiece.



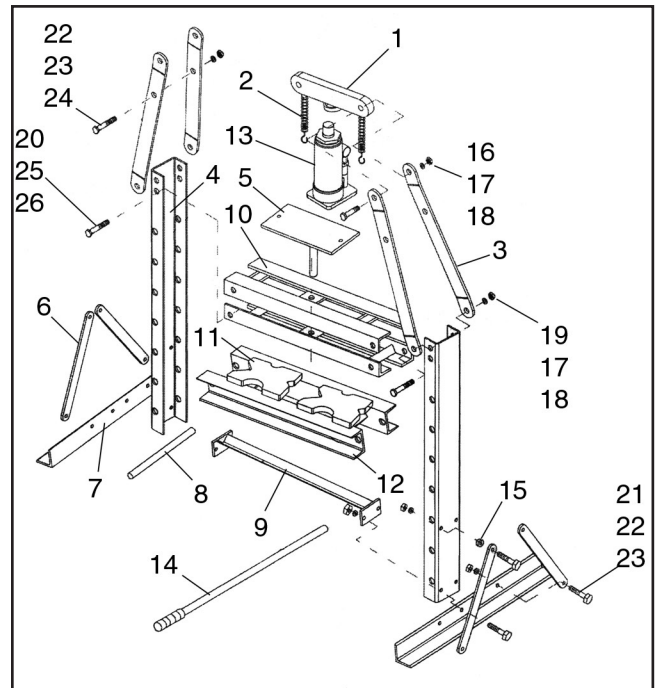
# MAINTENANCE

1. Wipe all dirt and dust off the press
2. Apply light oil to the surface of the ram.
3. Check hoses, pressure head, and support rods for cracks or damage. Replace if necessary.
4. Remove the plug on the back of the hydraulic jack to check the oil level. Add oil if necessary, replace the plug, then pump the handle several times with the pressure release valve open to bleed the air out of the system.

*If you need additional help with this procedure, call our service department at: (570) 546-9663.*



# PARTS



## REF PART # DESCRIPTION

REF	PART #	DESCRIPTION
1	PH6230001	HEADER
2	PH6230002	SPRING
3	PH6230003	HEADER SUPPORT
4	PH6230004	UPRIGHTS
5	PH6230005	JACK PLATE
6	PH6230006	UPRIGHT SUPPORT
7	PH6230007	BASE SUPPORT
8	PH3230008	SUPPORT ROD
9	PH6230009	SPREADER
10	PH6230010	CROSSBEAM
11	PH6230011	TABLE PLATES
12	PH6230012	TABLE
13	PH6230013	HYDRAULIC JACK
14	PH6230014	JACK HANDLE
15	PH6230015	SPACER 8MM
16	PB131M	HEX BOLT M16-2 X 65
17	PW08M	FLAT WASHER 16MM
18	PN19M	HEX NUT M16-2
19	PB132M	HEX BOLT M16-2 X 40
20	PB25M	HEX BOLT M12-1.75 X 25
21	PB07M	HEX BOLT M8-1.25 X 25
22	PLW04M	LOCK WASHER 8MM
23	PN03M	HEX NUT M8-1.25
24	PB30M	HEX BOLT M8-1.25 X 55
25	PW06M	FLAT WASHER 12MM
26	PN09M	HEX NUT M12-1.75

