



# 10 Ton Benchtop Shop Press

## MODEL H6231

### INSTRUCTION SHEET

#### Introduction

The Model H6231 10 Ton Benchtop Shop Press (**Figure 1**) features 10 tons of pressure to handle forming, bending, straightening, and bearing and wheel installation.

The Model H6231 was carefully packed when it left our warehouse. If you discover this shop press is damaged after you have signed for delivery, *please immediately call Customer Service at (570) 546-9663 for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. *Otherwise, filing a freight claim can be difficult.*

When you are completely satisfied with the condition of your shipment, you should inventory the contents.

#### Figure 2 - Inventory.

A.	H-Frame Press .....	1
B.	Hydraulic Pressure Gauge .....	1
C.	Round Nuts .....	2
D.	Base Supports.....	2
E.	Pressure Head .....	1
F.	Thin Plate .....	1
G.	Thick Plate.....	1
H.	Hydraulic Pump.....	1
I.	Support Rods .....	2
J.	Table Plates .....	2
K.	Table .....	1
L.	Bolt Bag.....	1
	—Hex Bolts M8-1.25 x 25 .....	4
	—Hex Nuts M8-1.25.....	4
	—Lock Washers 8mm.....	4
	—Hex Bolts M10-1.5 x 110 .....	2
	—Hex Bolts M10-1.5 x 20 .....	3
	—Lock Washers 10mm.....	5

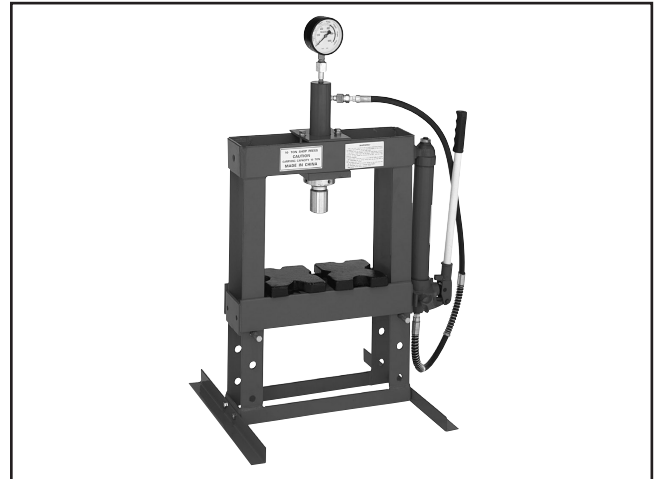


Figure 1. Model H6231.

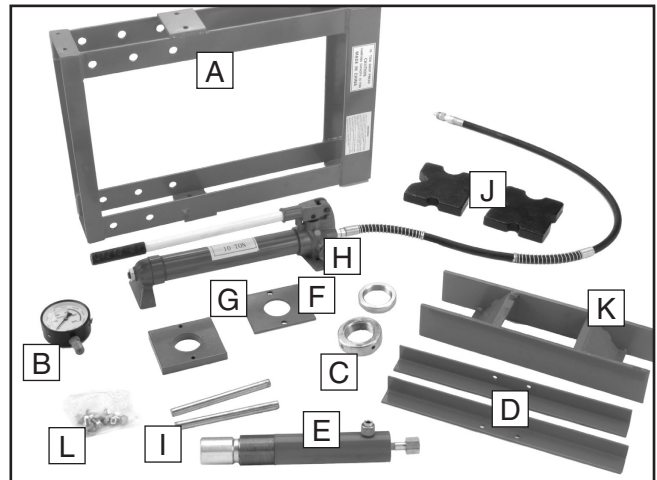


Figure 2. Inventory.

### **! 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.



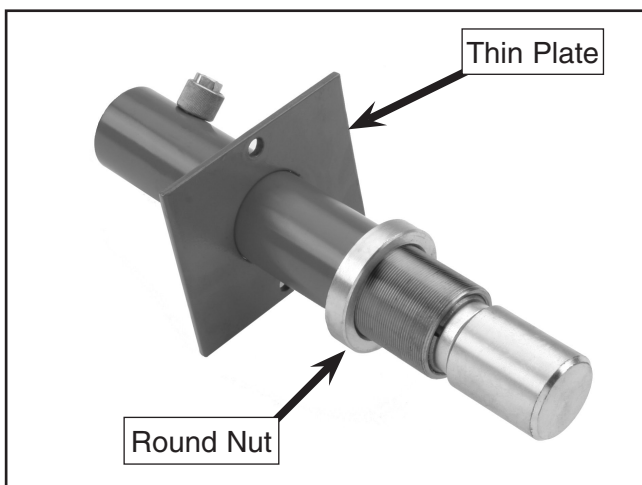
### **! WARNING**

Always use ANSI approved safety glasses when operating machinery.



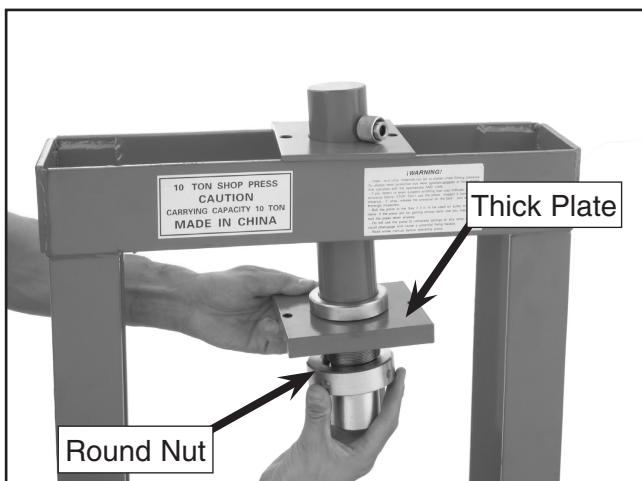
# ASSEMBLY

1. Get assistance to tilt the press upright, and have the assistant hold it in place.
2. Thread M8-1.25 x 25 hex bolts through the holes in the uprights and the base supports. Secure the hex bolts with 8mm lock washers and M8-1.25 hex nuts.
3. Slide the thin plate over the pressure head cylinder and screw a round nut onto the pressure head (**Figure 3**).



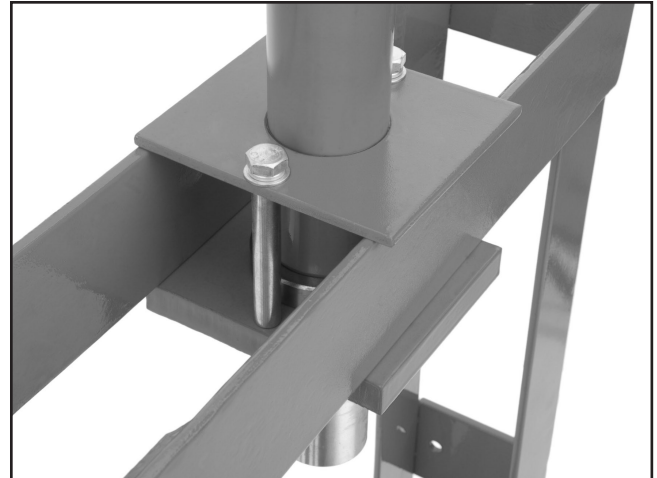
**Figure 3.** Thin plate installation.

4. Center the pressure head assembly on the crossbar, slide the thick plate against the upper round nut, and screw on another round nut to secure the thick plate (**Figure 4**).



**Figure 4.** Thick plate installation.

4. Thread the M10-1.5 x 110 hex bolts with lock washers through the upper plate and into the lower plate to clamp the pressure head assembly to the crossbar (**Figure 5**).



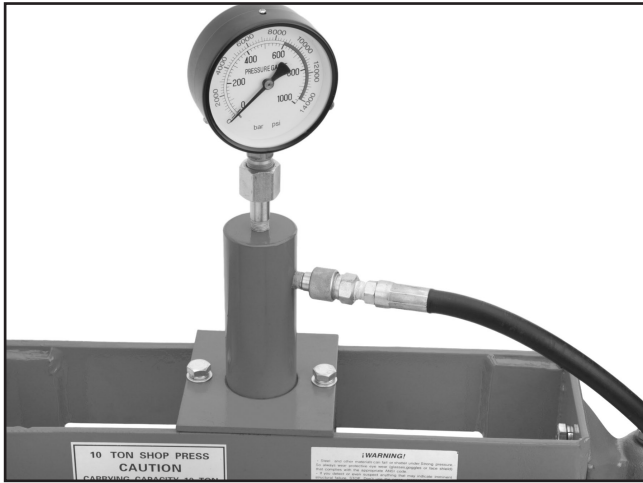
**Figure 5.** Attaching the pressure head assembly.

5. Coat the threads on the end of the pressure gauge with hydraulic sealant and screw it into the top of the pressure head.
6. Place the M10-1.5 x 20 hex bolts with lock washers through the holes in the upright from the inside.
7. Hold the hydraulic pump against the upright and screw the hex bolts into the pump.



**Figure 6.** Pump installation.

- Coat the threads on the end of the hose with hydraulic sealant and thread it into the pressure head assembly.



**Figure 7.** Hose and pressure gauge.

- Slide a support rod into hole in each upright. Make sure they are the same distance from the bottom.
- Tilt the table, slide it between the uprights, and place it on the support rods.



## OPERATIONS

- Place the table plates on the table and put the workpiece on the table plates.
- Lift the table until the workpiece is close to the pressure head and place the support rods through the uprights. Lower the table onto the support rods.

### **!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 and 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 and remove the workpiece.



## MAINTENANCE

- Wipe all dirt and dust off the press
- Apply light oil to the surface of the ram.
- Check hoses, pressure head, and support rods for cracks or damage. Replace if necessary.
- Remove the plug next to the handle socket to check hydraulic jack 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
1	PH6231001	HANDLE
2	PH6231002	PUMP
3	PB127M	HEX BOLT M10-1.5 X 110
4	PLW06M	LOCK WASHER 10MM
5	PH6231005	THIN PLATE
6	PH6231006	THICK PLATE
7	PH6231007	TABLE
8	PLW05M	H-FRAME
9	PH6231009	SUPPORT ROD
10	PH6231010	BASE SUPPORT
11	PB07M	HEX BOLT M8-1.25 X 25
12	PLW04M	LOCK WASHER 8MM
13	PN03M	HEX NUT M8-1.25
14	PH6231014	ROUND NUT
15	PH6231015	PRESSURE GAUGE
16	PH6231016	TABLE PLATE
17	PB74M	HEX BOLT M10-1.5 X 20
18	PH6231018	PRESSURE HEAD

