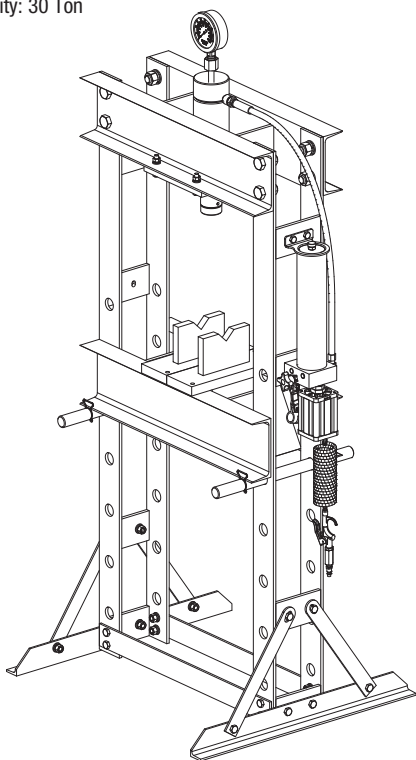




OWNER'S MANUAL

**HYDRAULIC SHOP PRESS
PRESSE D'ATELIER HYDRAULIQUE
PRENSA HIDRÁULICA DE TALLER
HYDRAULISCHE PRESS
МАГАЗИН ПРЕССЫ**

Item: TY30002
Capacity: 30 Ton



⚠ WARNING!

Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

TECHNICAL SPECIFICATIONS

	Description
Item	TY30002
Capacity	30 TON
Bed Opening	160mm
Work Range	0~840mm
Stroke Length	160mm
Inside Bed Dimensions L x W	160×535mm
Dimensions L x W x H	845×700×1815mm

SAFETY MARKINGS

⚠ WARNING!

1. Study, understand, and follow all instructions before operating the device.
2. Do not exceed rated capacity.
3. Prior to use, make sure the press is securely anchored.
4. The press shall be installed and operated in accordance with instructions.
5. Ensure the work area is clean and free of any hazards before operation.
6. Keep hands, arms, feet, and legs out of the work area. Accidental slippage can result in personal injury.
7. Use appropriate guarding to contain any pieces that may break or fly apart when applying force.
8. Use only press accessories having a capacity rating equal to or greater than the capacity of the press.
9. Verify lift cables are slack before pressing on the bolster.
10. Avoid off-center loads.
11. No alterations shall be made to the product.
12. Do not use this press for any use other than the manufacturer specified usage.
13. Failure to heed and understand these instructions and markings may result in personal injury, property damage, or both.

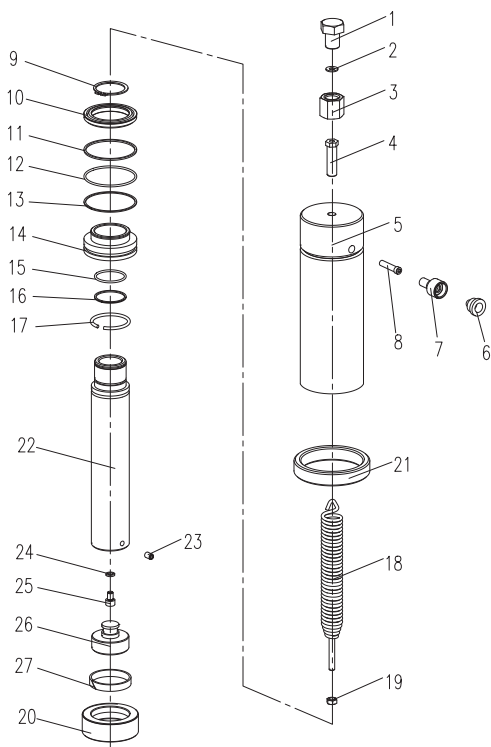
PARTS LIST

SHOP PRESS PARTS LIST (figure a)

No.	Description	QTY
1	Nut M20	8
2	Spring washer 20	8
3	Washer 20	8
4	Bolt M20×45	8
5	Post	2
6	Washer 10	12
7	Spring washer 10	12
8	Nut M10	10
9	Bolt M10×30	4
10	Knighthead	4
11	Base section	2
12	Bolt M12×30	12
13	Washer 12	16
14	Spring washer 12	16
15	Nut M12	16
16	Bolt M12×25	4
17	Lower cross member	2

No.	Description	QTY
18	under plate	1
19	Bolt M10×25	4
20	Plate	2
21	Bed frame	1
22	Bed frame pin	2
23	Hydraulic pump unit	1
24	Handle	1
25	Handle sleeve	1
26	Bolt M10×50	4
27	Press gauge	1
28	Ram	1
29	Upper crossbeam	1
30	Butterfly ring	2
31	Rectangular ring	1
32	Gauge connection nut	1
33	connection nut	1
34	valve	1

RAM PARTS LIST (b)

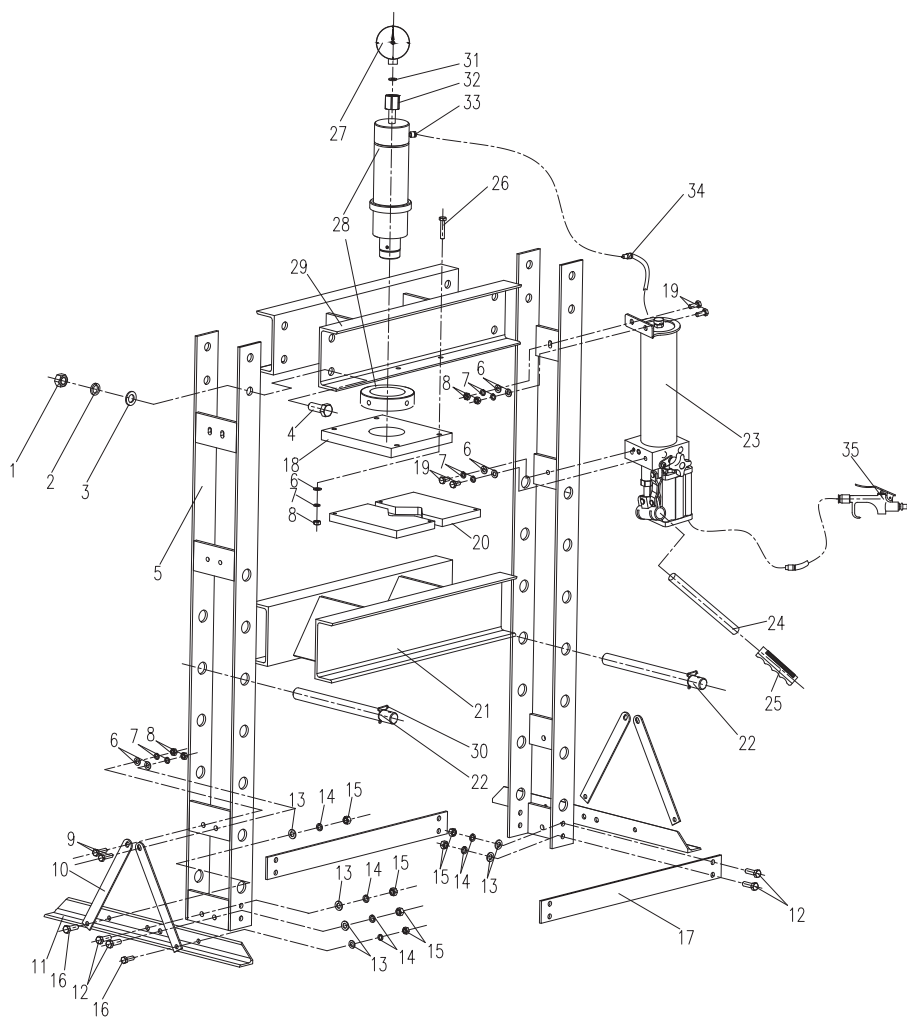


RAM PARTS LIST (figure b)

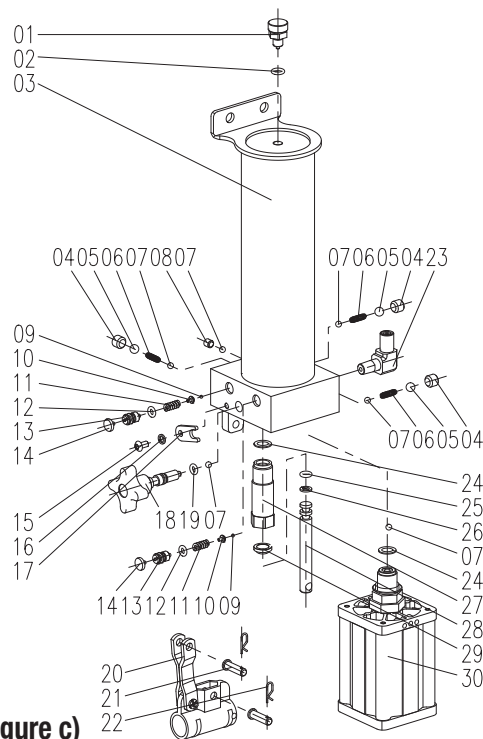
No.	Description	QTY
1	bolt	1
2	rectangular ring	1
3	retainer nut	1
4	tie-in	1
5	cylinder	1
6	dust cup	1
7	coupling bolt	1
8	bolt	1
9	snap ring	1
10	Y-ring	1
11	back-ring	1
12	O-ring	1
13	nylon ring	1
14	piston ring	1

No.	Description	QTY
15	O-ring 40×2.65	1
16	circlip	1
17	spacing ring	1
18	spring	1
19	nut M8	1
20	protecting ring	1
21	protecting ring	1
22	piston rod	1
23	screw M8×12	1
24	rectangular ring	1
25	bolt M8×12	1
26	top nut	1
27	guide ring	1

SHOP PRESS PARTS LIST (a)



PUMP PARTS LIST (C)



PUMP PARTS LIST (figure c)

No.	Description	QTY
1	Air bleed screw	1
2	O-ring	1
3	Hydraulic pump unit	1
4	Screw M12X1.25X10	3
5	Ball valve 9	3
6	Steel ball Spring	3
7	Ball valve 6	5
8	Screw M8x8	1
9	Ball valve 3	2
10	Spring plate	2
11	Spring safety valve	2
12	O-ring	2
13	Pressure adjusting screw	2
14	Safety valve cap	2
15	Bolt M6X10	1

No.	Description	QTY
16	Spring washer6	1
17	Limit block	1
18	Release valve lever	1
19	O-ring	1
20	Hand-held parts	1
21	Pin	2
22	Torsional spring latch	2
23	Angle coupling	1
24	Copper pad	2
25	O-ring	1
26	Ring	2
27	Pump body	1
28	Pump unit	1
29	J-ring	1
30	Air pump	1

ASSEMBLY INSTRUCTIONS

Use the exploded drawing as your guide to assemble. Lay all parts and assemblies out in front of you before beginning. The following procedure is recommended:

- Attach one base section (11) to left post and lower cross member (17) using bolts (16), washers (13), lock washers (14) and nuts (15), then attach another to right post and the lower cross member.
- Fix one end of knighthead (10) to the base section (11) and another end to the post (05) using bolts (09), washers (06), lock washers (07) and nuts (08).
- Put the press frame in an upright position, attach one upper cross beam (29) to left and right posts (05) using bolts (04), washers (03), lock washers (02) and nuts (01).
- Put another upper crossbeam into position and insert the under plate (18) to the two upper cross beams at the same time, then secure this cross beam to the posts using bolts (04), washers (03), lock washers (02) and nuts (01).
- Screw the upper round nut onto the ram (28), insert the ram into the hole in the under plate (18), then screw the under round nut onto the ram and attach the serrated saddle to the ram.
- Insert bed frame pin (22) into the holes in the posts, then insert the joined press bed frame (21) into press frame and onto bed frame pin.
- Attach the pump assy (23) to the right post using bolts (19), washers (06), lock washers (07) and nuts (08), then insert the handle to the handle bracket.
- Connect the hydraulic hose fitting (34) to the connection nut (33) and assemble the pressure gauge (27) to the pressure gauge connection nut which is on the top of ram (28).
- Tighten all bolts and screws.

BEFORE FIRST USE

- Before first use of this product, purge away air from the hydraulic system: open the release valve by turning it counterclockwise. Pump several full strokes to eliminate any air in the system.
- Check all parts and conditions, if there is any part broken, stop using it and contact your supplier immediately.

OPERATING INSTRUCTIONS

WARNING! ENSURE THAT YOU READ, UNDERSTAND AND APPLY THE SAFETY INSTRUCTIONS AND WARNINGS BEFORE USE.

- Place the heel block on press bed frame, then insert workpiece onto the heel block.
- Close the release valve by turning it clockwise until it is firmly closed.
- Pump the handle until serrated saddle nears workpiece.
- Align workpiece and ram to ensure center-loading.
- Pump the handle to apply load onto workpiece.
- When work is done, stop pumping the handle, slowly and carefully remove load from workpiece by turning the release valve counterclockwise in small increments.
- Once ram has fully retracted, remove workpiece from bed frame.

MAINTENANCE

- Clean the outside of the press with dry, clean and soft cloth and periodically lubricate the joints and all moving parts with a light oil as needed.
- When not in use, store the press in a dry location with ram and piston fully retracted.
- When press efficiency drops, purge always air from hydraulic system as described before.
- Check the hydraulic oil; remove the oil filler nut on the top of the reservoir, if the oil is not adequate, fill with high quality hydraulic jack oil as necessary, then replace the oil filler nut, purge away air from the hydraulic system.

EU Declaration of Conformity (Translation of the original EU Declaration of Conformity)

We

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Declare under our sole responsibility that the follow product

Equipment: shop press
Brand name: Big Red
Model/type: TY30002

Is in conformity with the

Machinery Directive (MD) 2006/42/EC

And the following harmonized standards and technical specifications have been applied:

EN ISO 12100:2010 Safety of machinery-General principles for design - Risk assessment and risk reduction
EN 1494:2000+A1:2008 Mobile or movable jacks and associated lifting equipment

Changshu 30.03.2018

Manufacturer: Changshu Tongrun Auto Accessory Co., Ltd



Jingfang Wang, Engineer (authorized to compile the Technical File)

OTHER PRODUCT INFORMATION

1. If warning labels become blurred or have been removed, replace them.
2. Do not operate this tool under the influence of fatigue, alcohol or any drugs.
3. Some parts under pressure may have a tendency to spray and explode. Please protect yourself.
4. In order to achieve the optimal working state of the machine, it is necessary to flush and replace the # 13 mechanical hydraulic oil in the hydraulic cylinder every year, or make appropriate adjustments according to the model.
5. The service life of the machine shall be subject to local laws.
6. Safe operating temperature of the product is 40°F - 105°F(4°C - 41°C).
7. The mass of the middle groove of the product is $\geq 25\text{kg}$. Two people are required to operate the middle groove at the same time.



Made in china