

# HURRICANE®



W06-2001

Manual

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Thank you for choosing Hurricane. This product has been manufactured to high standards and, with correct use and regular maintenance, will deliver dependable performance for many years.

## Explanation of symbols

In this operating manual, the following symbols are used:

	Indicates that the user must read and understand the instruction manual before using the equipment.		Suitable eye and hearing protection must be worn to protect against flying particles, arc radiation, and excessive noise.
	Protective clothing must be worn to protect skin from sparks, heat, and arc radiation.		Protective gloves must be worn to prevent burns, cuts, and electrical injury.

## Safety instructions

Before using this Bottle Jack, read the operating instructions thoroughly. Keep all documents supplied with the tool in a safe place and pass them on to other users.

### **SAFETY INSTRUCTIONS – FOR HURRICANE 20 Ton Bottle Jack**

#### **WARNING!**

Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using this equipment.

Familiarise yourself with the bottle jack, its application, limitations and hazards.

Keep the work area clean, uncluttered and well-lit.

Maintain correct balance and secure footing. Ensure floors are not slippery.

Keep children and unauthorised persons away from the work area.

Do not allow untrained persons to operate the bottle jack.

Do not operate when tired or under the influence of alcohol, drugs or medication.

Do not leave the bottle jack operating unattended.

#### **WARNING!**

Disconnect from the air supply before changing accessories, servicing or carrying out maintenance.

Maintain the bottle jack in good condition using an authorised service agent.

Replace or repair damaged parts immediately. Use genuine parts only.

Do not operate the bottle jack if parts are damaged or missing.

#### **WARNING!**

Ensure correct air pressure is maintained and not exceeded.

Keep the air hose away from heat, oil and sharp edges. Check the hose condition before use.

Ensure all air connections are secure.

Do not move or pull the bottle jack by the air hose

Do not direct compressed air at yourself or others.

#### **DO NOT:**

Extract caustic or flammable substances.

Use the bottle jack for any purpose other than its intended use.

#### **WARNING!**

Only use manufacturer-approved lifting points.

Immediately after lifting, support the load with appropriate supporting equipment such as axle stands.

Do not work under a load which is only supported by this jack.

When lifting a vehicle, apply the hand brake and choke the wheels.

Before lowering the load, ensure there are no obstructions.

## Main Application

Designed for safe, efficient lifting, the 20-ton bottle jack is ideal for vehicle servicing and heavy-duty maintenance. It enables controlled lifting of trucks, vans, and machinery, helping workshops and service environments perform repairs with stability and confidence.

## Technical Specification

Model number W07-0002  
Capacity: 20 Ton  
Maximum Height: 429mm  
Minimum Height: 220m

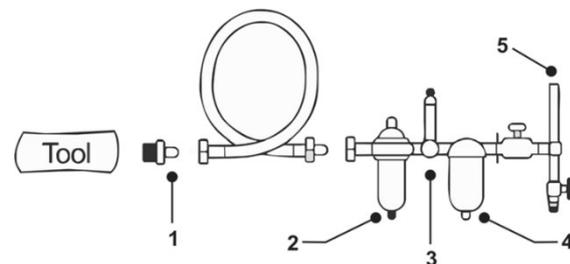
Ram Stroke: 130mm  
Screw Adjustment: 79mm  
Air Pressure: 110-120 PSI  
Air Inlet Fitting: ¼ Male

## Package contents

- 1 x Bottle Jack
  - 2 x Jacking handles
  - 1 x Air trigger assembly including safety valve
- valve

## Air Supply

1. Quick coupling
2. Automatic lubricator
3. Regulator
4. Water separator
5. Air Supply



### Connecting

Use high-quality hoses and couplings only.

### Air pressure

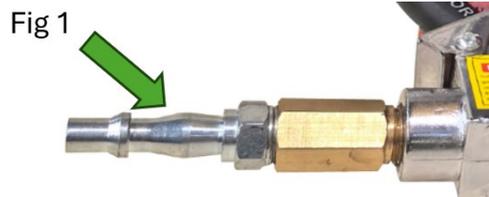
Use 6,3 bar air pressure in combination with a well-functioning air dryer.

Using a higher air pressure can lead to shorter service life and injury

## Operation instructions

### Before first use:

Apply a small amount of high-quality air tool lubricant into the quick connection coupling **Fig 1**, Connect the coupling to an air source and turn on the air valve for 3 seconds. This will prime the system, ready for use.



### Lifting

1. Using the slotted end of the handle, turn the release valve clockwise until it is firmly closed.
2. Apply the vehicle's handbrake and chock all wheels to prevent movement.
3. Position the jack under the vehicle and adjust as required.  
**Important:** Refer to the vehicle owner's manual for recommended lifting points.
4. Connect the male air quick coupler to the female air quick coupler, then open the air valve.
5. Raise the load to the required height.
6. Close the air valve and immediately support the load using axle stands of adequate capacity.
7. If an air supply is unavailable, insert the large end of the handle into the handle bracket.
8. Pump the handle manually to raise the load to the required height.
9. Immediately transfer the load onto suitable support devices, such as axle stands.

### Lowering

**WARNING!** Ensure all tools, equipment, and personnel are clear before lowering the load.

1. When work is complete, raise the load slightly to allow safe removal of the axle stands.
2. Slowly lower the load by turning the release valve anticlockwise using the slotted end of the handle. Turn in very small increments to control descent.

**WARNING!** Rapid opening or closing of the release valve while lowering can create dangerous dynamic shock loads. This may overload the hydraulic system, resulting in equipment failure, serious injury, or property damage.

## Troubleshooting

### 1. Solutions if the jack will not lift a load

- Check that the release valve is tightly closed and secure it firmly.
- Check that the load does not exceed the jack's rated capacity.
- Check that the air supply is adequate (for air-operated models).
- Check for trapped air in the system and purge if necessary.

### 2. Solutions if the jack lifts but will not maintain pressure

- Check that the release valve is tightly closed.
- Check that the jack is not overloaded.
- If the problem persists, the hydraulic unit may be malfunctioning; contact your dealer.

### 3. Solutions if the jack will not lower after unloading

- Check whether the reservoir is overfilled; drain oil to the proper level.
- Check for binding linkages; clean and lubricate all moving parts.

### 4. Solutions for poor lifting performance

- Check the hydraulic oil level and add oil to the proper level.
- Check for trapped air in the system and purge if necessary.

### 5. Solutions if the jack will not lift to the maximum height

- Check the hydraulic oil level and add oil as required.

### 6. Solutions for poor manual operation

- Check for air trapped in the system.
- Turn the release valve approximately 2 turns anticlockwise using the slotted end of the handle.
- Remove the oil filler plug gently.
- Insert the handle into the handle bracket and pump 10–15 times.
- Replace the filler plug after completion.

### 7. Solutions for poor air-operated performance

- Check for air trapped in the system.
- Connect the air inlet fitting to the air supply.
- Turn the release valve approximately 2 turns anticlockwise and remove the filler plug.
- Turn on the air valve and allow the pump to operate for one minute.
- Replace the filler plug.

## **Maintenance Instructions**

Clean the outside of the jack with a dry, clean, soft cloth and periodically lubricate the joints, extension screw and all moving parts with a light oil as required.

When not in use, leave the jack in a dry, childproof location with the ram and extension screw fully lowered.

For best performance and longest life, replace the jack oil at least once per year.

With the ram fully lowered, remove the oil filler plug, lay the jack on its side, drain the oil into a suitable container, then fill it with high-quality hydraulic jack oil.

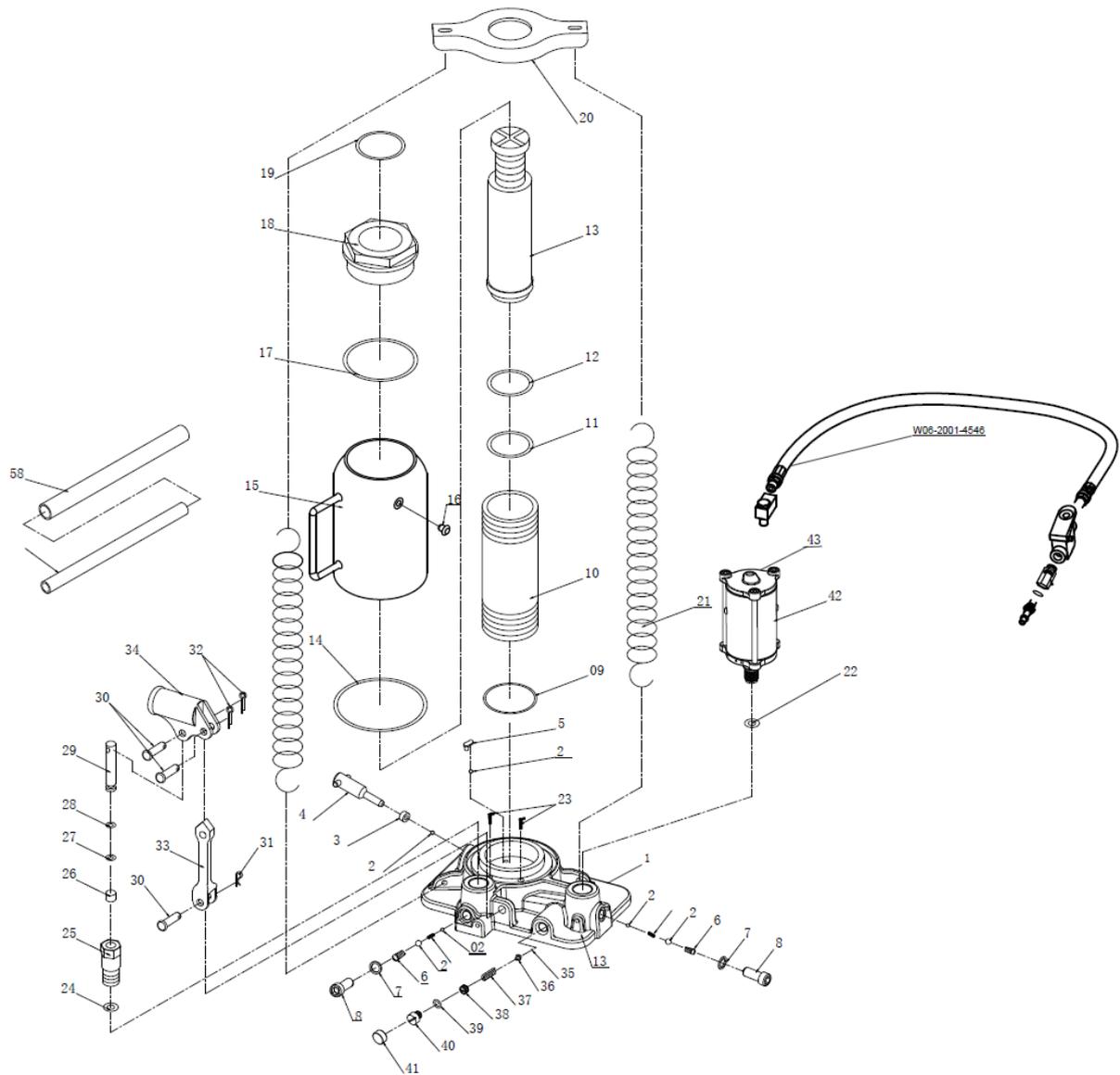
Important: Dispose of hydraulic oil in accordance with local environmental regulations.

It is recommended that an annual inspection be carried out by a qualified technician.

## **Environmental Protection**

Wherever possible, unwanted materials should be recycled rather than discarded. All tools, accessories, and packaging must be separated, sorted, and taken to an approved recycling facility for disposal in an environmentally responsible manner. When the product has reached the end of its service life and is no longer serviceable, any fluids (where applicable) must be fully drained into approved containers. The product and all drained fluids must then be disposed of in accordance with local environmental regulations.

# Exploded Diagram



## Indexed Parts

Index No	Description	Qty	Index No	Description	Qty
1	Base	1	23	Filter	1
2	Steel Ball	6	24	Washer	2
3	Seal Ring	1	25	Washer	1
4	Release Valve Rod	1	26	O-Ring	1
5	Stop Plate For Steel Ball	2	27	Retainer Ring	1
6	Spring	1	28	Dust Ring	1
7	Washer	1	29	Pump Core	1
8	Screw	2	30	Cotter Pin	3
9	Washer	1	31	R-Clip	2
10	Ram	1	32	Cotter Pin Clip	2
11	O-Ring	1	33	Link Rod	1
12	Washer	1	34	Handle Socket	1
13	Piston Rod	1	35	Steel Ball	1
14	Washer	1	36	Steel Ball Base	1
15	Cover	1	37	Spring	1
16	Oil Seal	1	38	Screw	1
17	Washer	1	39	O-Ring	1
18	Cap	1	40	Screw	1
19	O-Ring	1	41	Cap	1
20	Spring Hook Plate	1	42	Air Motor	1
21	Spring	2	43	Air Motor Top Plate	1
22	Copper Washer	1	58	Complete Handle Assembly	1
			4546	Complete Hose Assembly	1



## EU DECLARATION OF CONFORMITY

1. Model Number: W06-2001
2. Description: 20 Ton Bottle Jack
3. Serenco UK Ltd Units 3-5, Wellingborough Road, Sywell, Northamptonshire, NN60BN
4. This declaration of conformity is issued under the sole responsibility of the manufacturer – **Serenco UK Ltd Units 3-5, Wellingborough Road, Sywell, Northamptonshire, NN60BN**
5. Manufacturing Date/Serial Number where applicable – **N/A**
6. Declaration of Conformity in accordance with Directive(s) – **EN1494:2000/A1:2008 Mobile or Moveable**

### **Jacks and associated Lifting Equipment**

7. References to harmonised standard(s) - **Lifting Operations and Lifting Equipment Regulations (LOLER)**
8. Notified body – **N/A**
9. Test Report Number – **CE-MC-230817-058-01-2A**
10. Being the responsible person appointed by the manufacturer

Signed: *T Dearden*

Name: **Tony Dearden**

Position: **Managing Director**

Place: **Northampton**

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NOTE: It is our policy to continually improve products, and as such, we reserve the right to alter data,

specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

INFORMATION: For a copy of our catalogue and latest promotional offers, call us on 01604 790982

Warranty: 2 years from the purchase date, proof of which is required for any claim.