

MODEL Nos: **14HT, 17HT, 22HT, 42HT**

Thank you for purchasing this Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS JACK CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ Regularly inspect and lubricate the Jack ensuring it is in good working order and condition. **DO NOT** use the jack if damaged or a fault is suspected. Check chapter 5 troubleshooting. If necessary, immediately repair or replace damaged parts.
- ✓ Use recommended parts only, the use of improper parts may be dangerous and will invalidate your warranty.
- ✓ Ensure the jacking area is clean and tidy and free from unrelated materials and has adequate lighting.
- ✓ Use jack on level and solid ground, preferably concrete. *Avoid tarmac since jack may sink in.*
- ✓ Park the vehicle and apply hand brake (if automatic, place in "Parked" mode). Switch off the engine, and place chocks under the wheels.
- ✓ Ensure minimum distance of 0.5m between vehicle tilt & static objects such as doors, walls, etc.
- ✓ Ensure all persons are out of the vehicle before jacking. **DO NOT** enter vehicle whilst it is supported on the jack or axle stands.
- ✓ Check vehicle weight and recommended lifting points by referring to the vehicle owner's manual. Ensure the lifting point is not corroded.
- ✓ Check jack saddle is centred and stable on lifting point, (off centre loads can slip). Position jack to avoid operating it from under vehicle.
- ▲ **DANGER!** Use the jack for lifting only, **NOT** for supporting the lifted load. **ALWAYS USE PROPERLY RATED AXLE STANDS.**
- ✓ Keep hands etc clear of moving parts during raising and lowering of the vehicle.
- ✓ Use properly rated axle stands under the vehicle before proceeding with any task.
- ▲ **DANGER!** Roadside wheel change is hazardous. **Be extra vigilant, You may not be able to avoid jacking on tarmac. Get everyone out of vehicle. NEVER go under vehicle. Traffic may cause vehicle to rock. Use hazard warning lights. If in doubt call professional help.**
- ✓ When changing a wheel, slightly loosen wheel nuts prior to jacking vehicle. Screw wheel nuts back before lowering vehicle.
- ✓ Use a qualified person to lubricate and maintain the jack. Confirm that only recommended *hydraulic jack oil* is used during maintenance.
- ✗ **DO NOT** exceed the rated capacity of the jack, and **DO NOT** operate the jack beyond its maximum pump stroke.
- ☐ **WARNING! DO NOT allow the vehicle to move during jacking. DO NOT start the engine when vehicle is jacked up.**
- ✗ **DO NOT** jack a vehicle if it may result in the spillage of fuel, battery acid, or dangerous substances.
- ✗ **DO NOT** place any part of your body under vehicle whilst supported by jack. Wait until properly rated axle stands have been correctly positioned.
- ✗ **DO NOT** use jack to support extensions or cradles. **DO NOT** modify jack in any way. **DO NOT** use the jack for any other purpose.
- ✗ **DO NOT** top up system with brake fluid. Use hydraulic oil only, and **DO NOT** adjust the safety overload valve (fig 1.5).
- ✓ Ensure there are no persons or obstruction beneath the vehicle before lowering.
- ✓ Clean, and securely stow the jack properly, with the ram in the down position. **DO NOT** leave it extended. Ensure stowage area is dry.
- ☐ **WARNING! Remember, It is very dangerous for user to go under a vehicle supported by a jack even if additional supports are used.**
- ✗ **DO NOT go under a vehicle without the support of properly rated axle stands. NOTE: Seek advice before jacking caravans or trailers.**

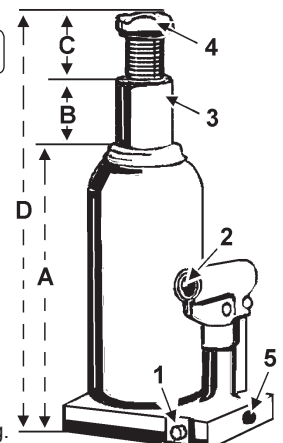
2. INTRODUCTION & SPECIFICATIONS

The HT model telescopic bottle jack has a telescopic hydraulic ram which allows a reduced closed height without compromising maximum lift height. Your HT jack is made in the EU and is fitted with a safety overload valve. A one-piece base, reservoir and pump cylinder design gives your jack added strength. The following specification dimensions are cross referred to fig 1.

Jack Model:	14HT	17HT	22HT	42HT
Capacity (Tonnes):	2	5	12	20
A Minimum Height (mm):	145	215	245	180
B Hydraulic Lift (mm):	165	300	326	205
C Screw Extension (mm):	50	-	-	-
D Maximum Height (mm):	360	515	571	385

1. Release Valve
2. Handle Sleeve
3. Ram
4. Saddle
5. Overload Valve
(Do Not Adjust)

fig.1



3. OPERATING INSTRUCTIONS

- ☐ **WARNING! Before lifting ensure chapter 1 safety instructions are strictly followed.**
- 3.1. Before using the jack, purge the hydraulic circuit, in order to eliminate any air from the system that may have accumulated during transit, as follows:
 - a) Insert jack handle over release valve (fig 1.1) and turn anti-clockwise to open valve.
 - b) Insert jack handle into the handle sleeve (2) and pump several times to ensure full internal lubrication and to bleed air from the system.
 - c) When complete place the handle back over the release valve (1) and turn clockwise to close.
- ☐ **WARNING! Ensure you prepare vehicle and use jack according to chapter 1 SAFETY INSTRUCTIONS.** Check that the supporting ground upon which the jack will stand is level and solid and not tarmac.
- 3.2. Position the jack saddle (4) under the vehicle manufacturer's recommended lifting point ensuring the saddle is correctly centred beneath the load. Ensure jack is positioned to avoid having to operate it from under the vehicle, and that the handle is free to move up and down.
- 3.3. Pump the handle up and down using full stroke range so that the saddle quickly reaches the working height.
- 3.4. Should the jack become overloaded, a safety excess pressure valve will open, and stop the vehicle from lifting.

- 3.5. Position axle stands under the vehicle before attempting any work.
- 3.6. Lowering the load
 - 3.6.1. Ensure the axle stands are removed and that there are no persons or obstacles beneath the vehicle, or in the path of its descent.
 - 3.6.2. The lowering speed is controlled by the amount you turn release valve (1). Turn anti-clockwise and lower carefully, avoiding sudden release.

4. MAINTENANCE

IMPORTANT: Only fully qualified personnel should attempt maintenance or repair.

- WARNING! DO NOT use brake fluid, or any fluid other than Sealey hydraulic jack fluid as this may cause serious damage to the jack and will invalidate the warranty!**
- 4.1. When the jack is not in use, the ram must be in the lowest position to minimise ram and piston corrosion. Remove the handle to inactivate jack.
- 4.2. Keep the jack clean and lubricate all moving parts on a regular basis.
- 4.3. To check oil level, fully lower jack. Remove filler plug. The correct oil level should be to the same level as the filler opening.
- 4.4. After a year of extensive use, the oil should be replaced in order to extend the life of your jack. To drain the oil, remove the filler plug and valve. Make sure that no dirt is allowed to enter the oil.
- 4.5. Refill with fresh oil. Pump (unloaded jack) 5 or 6 times to expel air. Check level as in 4.3.
- WARNING! DO NOT use brake fluid, only use a good quality jack oil, such as SEALEY HYDRAULIC JACK OIL**
Note: Ensure waste oil is disposed of in accordance with local authority regulations.
- 4.6. Before each use check for broken, cracked, bent, or loose parts. Also check for any visible damage to welds, ram, pump, body, stand, and all parts. If any suspect item is found remove jack from service and take necessary action to remedy the problem.
DO NOT use the jack if believed to have been subjected to abnormal load or shock. Inspect and take appropriate action.
- 4.7. Periodically check the pump piston and piston rod for signs of corrosion. Clean exposed areas with a clean oiled cloth.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE MACHINE.

Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK. **DO NOT RETURN JACKS TO US.** Please telephone 01284 757500 to obtain address and phone number of your local agent. If jack is under guarantee please contact your dealer.

De-commissioning the jack: Should the jack become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the jack and the oil according to local regulations.

5. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Jack will not lift the load	1) Overloaded	1) Be sure to use jack with an adequate capacity for the intended load
	2) Oil level low	2) Top up oil level
	3) Release valve not correctly closed	3) Check and close release valve
	4) Air in system	4) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try
	5) Ram not functioning	5) Clean and replace oil
	6) Packing worn or defective	6) Replace packing
Jack does not lift high enough or feels "spongy"	1) Oil level too low	1) Fill oil
	2) Worn seals	2) Return jack to local service agent
	3) Air in system	3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try
	4) Release valve not closed	4) Check and close release valve
Jack lifts poorly	1) Pump packing or valves malfunctioning	1) Replace packing and/or clean valves
	2) Oil is dirty	2) Replace oil
	3) Air in the system	3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try
Jack lifts but will not hold load	1) Release valve partially open	1) Check and close release valve
	2) Dirt on valve seats	2) Lower jack, close release valve. Pull up ram to its full height by hand. Open the release valve to lower arm.
	3) Air in system	3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try
	4) Faulty seals	4) Replace packing or contact local service agent
	5) Packing worn or defective	5) Replace packing
Jack will not lower completely	1) Unit requires lubrication	1) Oil all external moving parts
	2) Ram damaged	2) Contact local service agent
	3) Air in system	3) Open release valve and air vent (if fitted) and pump the handle a few times. Close valve and re-try
	4) Release valve partially open	4) Check and fully open release valve
Jack does not lower at all	1) Release valve still closed	1) Check and fully open release valve

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.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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EC DECLARATION OF CONFORMITY

We the sole importers into the UK, hereby declare that the equipment described below

Description and Function: **Bottle Jacks 2tonne, 5tonne, 12tonne & 20tonne Telescopic**

Model/Type: **14HT, 17HT, 22HT & 42HT**

Manufacturing Date / Serial number (optional):

Manufacturer's authorised representative within the EC: **Jack Sealey Ltd. Kempson Way, Suffolk Business Park, Bury St. Edmunds, Suffolk, IP32 7AR**

Conforms to the requirements of the following Directives, as indicated.


- 2006/42/EC Machinery Directive
- 2006/95/EC Low Voltage Directive
- 2004/108/EC EMC Directive
- 93/68/EEC CE Marking Directive
- 2009/105/EC the Simple Pressure Vessels Directive
- 2000/14/EC Outdoor Noise Emissions Directive
- 2002/96/EC WEEE Directive
- 2002/95/EC RoHS Directive
- 97/23/EC Pressure Equipment Directive

And the following harmonised standard(s)

BS EN 1494: 2000 + A1: 2008

Additional technical standards and specifications (if applicable):

Technical file compiled by: **Jack Sealey Ltd.**

Signed: 

Date: 12-Apr-2012

Place: Bury St. Edmunds.

Name: Mark Sweetman

Position: Managing Director

Being the responsible person appointed by the manufacturer.

