



# INSTRUCTIONS FOR: 12, 15 & 20 TON MANUAL /AIR HYDRAULIC YANKEE BOTTLE JACKS

## MODEL No: AM12E, AM15E & AM20E

Thank you for purchasing a Sealey jack. 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

- ✓ Disconnect jack from air supply before changing parts, servicing or performing any maintenance.
- ☐ **WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 70-130psi. Required air flow 9.5cfm.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use, and ensure that all connections are secure.
- ✓ Ensure jack is kept clean and in good working order. Immediately repair or replace damaged parts.
- ✓ Use recommended parts only. Incorrect parts may be dangerous and will invalidate the warranty.
- ✓ Use a qualified person to lubricate and maintain the jack. DO NOT use brake fluid to top up system. Use Sealey hydraulic oil only.
- ✓ Locate jack in a suitable, well lit work area. Keep area clean and tidy and free from unrelated materials.
- ✓ Use jack on level and solid ground, preferably concrete. *Avoid tarmacadam since jack may sink in.*
- ✓ Place wedges under wheels of vehicle (*but ensure wheels of jack can freely move*).
- ✓ Ensure the vehicle handbrake is engaged (or in "PARKED" mode), and switch the engine off.
- ✓ Ensure minimum distance of 0.5m between vehicle tilt and static objects such as doors, walls, etc.
- ✓ Ensure all non essential persons keep a safe distance and that there are no passengers in the vehicle to be jacked up.
- ✓ Place jack under vehicle manufacturer's recommended jacking points (*see vehicle handbook*).
- ✓ Check that the jacking point is stable and centred on the jack saddle and is free from grease or oil.
- ▲ **DANGER:** Use jack for lifting only, NOT for supporting the jacked load. Use correct axle stands under vehicle before proceeding with task.
- ✗ DO NOT apply your body weight to the handle during jacking.
- ✗ DO NOT operate the jack if parts are missing or damaged.
- ✗ DO NOT exceed the rated capacity of the jack.
- ✗ DO NOT allow the vehicle to move during jacking.
- ✗ DO NOT jack a vehicle if doing so may result in the spillage of fuel, battery acid, or dangerous substances.
- ✗ DO NOT work under the vehicle until Axle Stands have been correctly positioned.
- ✗ DO NOT use the jack for purposes other than that which it is designed for.
- ✗ DO NOT adjust the safety overload valve.
- ✗ DO NOT yank the hose from the air supply, and DO NOT direct air from the air hose at yourself or others.
- ✓ Ensure there are no persons or obstructions beneath the vehicle before lowering.
- ✓ When not in use disconnect jack from the air supply, and store in the down position in a safe, dry, childproof area.

### 2. SPECIFICATIONS

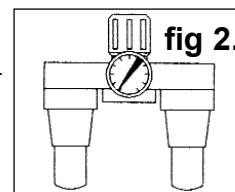
Base and top threaded to steel reservoir to allow easy disassembly for servicing. Side mounted pump requires air at 70-130psi for optimum performance. Can be used with pumping handle (supplied) or air operated.

Model	AM12E	AM15E	AM20E
Capacity (tons)	12	15	20
Min. height (mm)	240	240	240
Max. height (mm)	450	450	450
Piston stroke (mm)	150	150	150
Ext. height (mm)	60	60	60
Weight (kg)	14	17	17
Air supply	Minimum 70psi/Max 130psi		
Hydraulic oil	Sealey Hydraulic Jack Oil		



### 3. AIR SUPPLY

- 3.1. Ensure that the jack pneumatic switch is in the "off" position before connecting to the air supply.
- 3.2. You will require an air pressure of minimum 70, maximum 130psi to get the best performance from this jack.
- 3.3. ☐ **WARNING!** Ensure the air supply does not exceed 130psi while operating the jack. Too high an air pressure and unclean air will shorten the products life due to excessive wear, and may be dangerous causing possible damage and/or personal injury.
- 3.4. Drain the air tank daily. Water in the air line will damage the jack.
- 3.5. Clean the air inlet filter screen weekly.
- 3.6. Keep the air hose between the compressor and the air jack as short as possible, and install an air filter and oiler (fig 2).
- 3.7. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 3/8" I.D. and fittings must have the same inside dimensions.
- 3.8. Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.



## 4. OPERATION

4.1. Before first using jack carry out the following preparation:

- (a) Check oil level - Open release valve (fig 1.3) with handle (not more than two turns) and press down on saddle (4) to ensure piston is fully down, then remove oil filler plug (5). Oil should be level with bottom of filler hole (2). Adjust level as necessary and replace plug.
- (b) Bleed system - With release valve open, operate manual pump for three strokes to bleed any air from the system. Close relief valve.
- (c) Lubricate - Oil the pivots of the manual pump mechanism and the screw thread of the saddle post. Put two or three drops of air tool oil into the inlet of the air valve (6). Connect to air supply and operate for three seconds to distribute lubricant.

### 4.2 Raising

4.2.1 Ensure compliance with all safety instructions - chapter 1.

4.2.2 Check that release valve is closed.

4.2.3 Position jack so that saddle is under vehicle jacking point. If necessary screw up saddle to just below jacking point. **Do not** use handle in the release valve to move jack - damage will result.

4.2.4 Press the air valve trigger to raise, release trigger to stop. Alternatively use the handle to operate the manual pump.

4.2.5 **Always support the jacked vehicle on axle stands before working on or under it.**

### 4.3 Lowering

4.3.1 Check beneath vehicle for any obstructions and remove axle stands.

4.3.2 **Slowly** open release valve with handle and control the rate of descent by smoothly opening or closing the valve.

**Note:** The release valve should not be closed abruptly (except in an emergency) since this shock loads the hydraulic system.

4.3.3 After use jack should be stored with the piston and the manual pump socket both fully down.

## 5. MAINTENANCE

5.1 Clean and lubricate on a regular basis.

5.2 Regularly check oil level via filler hole. With piston fully down remove filler plug (5), oil should be level with bottom of filler hole. Top-up as necessary. Use a good quality jack oil such as Sealey Hydraulic Jack Oil. **Do not use brake fluid.**

5.3 Annual oil replacement is recommended for jacks in daily use. Remove filler plug and release valve, place jack on its side and allow to drain. Replace release valve and refill with oil. Bleed system as in para. 4.1.(b), re-check level and replace filler plug.

*Ensure no dirt enters hydraulic system when draining, filling or removing/replacing components.*

5.4 Always dispose of waste oil safely and legally. If in doubt consult your local authority.

**IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS PRODUCT.**

*Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.*

**DO NOT RETURN PRODUCT TO US.** Please telephone us on 01284 757500 to obtain the address and phone number of your local agent.

*If product is under guarantee please contact your dealer.*

### De-commissioning Product

Should the product become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the product and the oil according to local regulations.

## 6. TROUBLESHOOTING

Jack will not lift load.	1. Release valve not fully closed. 2. Oil level low. 3. Air supply low.	1. Close valve firmly. 2. Top-up to correct level. 3. Min. requirement 70psi.
Jack will not hold load.	1. Release valve not fully closed.	1. Close valve firmly.
Jack will not lift smoothly or to full height.	1. Oil level low. 2. Air in hydraulic system.	1. Top-up to correct level. 2. Bleed system. (See 4.1b)
Jack will not lower completely.	1. Release valve not sufficiently open.	1. Slowly open valve further.

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93/68/EEC CE Marking Directive  
89/392/EEC Machinery Directive

**Declaration of Conformity** We, the sole importer into the UK, declare that the products listed here are in conformity with the following standards and directives



Signed by Steve Buckle

3rd February 2006

The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd  
For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery

**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 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.



Sole UK Distributor  
Sealey Group,  
Bury St. Edmunds, Suffolk.



01284 757500

01284 703534



[www.sealey.co.uk](http://www.sealey.co.uk)

[sales@sealey.co.uk](mailto:sales@sealey.co.uk)