



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



machinery specialists since 1968

2 Ton - 50 Ton Bottle Jack



03666 - 03672

**FOR HELP OR ADVISE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR,
OR SIP DIRECTLY ON:**

TEL: 01509500400

EMAIL: sales@sip-group.com or technical@sip-group.com

www.sip-group.com

**Please read and fully understand the instructions in
this manual before operation. Keep this manual
safe for future reference**

DECLARATION OF CONFORMITY

Declaration of Conformity

We

SIP (Industrial Products) Ltd
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
England

As the manufacturer's authorised representative within the EC
declare that the


2 Ton Bottle jack - SIP Pt. No. 03666
Suppliers Pt. No. - T010302
4 Ton Bottle Jack - SIP Pt. No. 03667
Suppliers Pt. No. - T010304
8 Ton Bottle Jack - SIP Pt. No. 03668
Suppliers Pt. No. - T010308
12 Ton Bottle Jack - SIP Pt. No. 03669
Suppliers Pt. No. - T010312
20 Ton Bottle Jack - SIP Pt. No. 03670
Suppliers Pt. No. - T010320
30 Ton Bottle Jack - SIP Pt. No. 03671
Suppliers Pt. No. - T010330
50 Ton Bottle Jack - SIP Pt. No. 03672
Suppliers Pt. No. - T010350

Conforms to the requirements of the following directive(s), as indicated.

2006/42/EC Machinery Directive

And the following harmonised standard(s)

EN 1494:2000+A1:2008

Signed: 

Mr P. Ippaso - Managing Director - SIP (Industrial Products) Ltd
Date: 13/11/2009.





Note: Never use sandpaper or abrasive material on these surfaces.

Storage:

- Ensure that the jack is clean and free from moisture prior to storage.
- Use an oiled rag to leave a light coating of oil over the jack to reduce the risk of contamination from the elements.
- Store the jack with the ram and pump piston in the down position, **DO NOT** leave it extended.
- Ensure storage area is dry!

TROUBLE SHOOTING

Symptom	Possible Causes	Corrective Action
Jack will not lift load	<ul style="list-style-type: none"> • Release valve not tightly closed • Overloaded 	<ul style="list-style-type: none"> • Ensure release valve tightly closed • Remedy overload condition
Jack will lift, but not maintain pressure	<ul style="list-style-type: none"> • Release valve not tightly closed • Hydraulic unit malfunction 	<ul style="list-style-type: none"> • Ensure release valve tightly closed • Contact distributor for repair.
Jack will not lower after unloading	<ul style="list-style-type: none"> • Reservoir overfilled 	<ul style="list-style-type: none"> • Ensure load is removed, then drain fluid to proper level
Poor lift performance	<ul style="list-style-type: none"> • Fluid level low • Air trapped in system 	<ul style="list-style-type: none"> • Ensure proper fluid level • See `BLEEDING`
Will not lift to full extension	<ul style="list-style-type: none"> • Fluid level low 	<ul style="list-style-type: none"> • Ensure proper fluid level

If none of the above solutions work contact your distributor for repair.

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SAFETY SYMBOLS USED THROUGHOUT THIS MANUAL



Danger / Caution: Indicates risk of personal injury and/or the possibility of damage.



Note: Supplementary information.

SAFETY INSTRUCTIONS

IMPORTANT: Please read the following instructions carefully, **failure to do so could lead to serious personal injury and / or damage to the bottle jack.**

When using your bottle jack, basic safety precautions should always be followed to reduce the risk of personal injury and / or damage to the bottle jack or load.

Read all of these instructions before operating the bottle jack and save this user manual for future reference.

The bottle jack should **not** be modified or used for any application other than that for which it was designed.

If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

Before operating the bottle jack always check no parts are broken, that no oil is leaking and that no parts are missing.

Always operate the bottle jack safely and correctly.

KNOW YOUR BOTTLE JACK: Read and understand the owner's manual and labels affixed to the jack. Learn its applications and limitations, as well as the potential hazards specific to it.

KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA: All visitors should be kept at a safe distance from the work area; never allow untrained persons to operate the jack.

STAY ALERT: Always watch what you are doing and use common sense.

NEVER LEAVE THE BOTTLE JACK UNATTENDED: When in use / under load.

HAVE YOUR BOTTLE JACK REPAIRED BY A QUALIFIED PERSON: The bottle jack is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user and void the warranty.

DANGER! Check that the bottle jack is in sound condition and good working order; Take immediate action to repair or replace damaged parts.

WARNING! Only operate on a level and stable surface and never use on soft ground where the jack is likely to "sink" whilst in operation.

NEVER STAND ON THE BOTTLE JACK: The bottle jack is not designed for this purpose.

DO NOT dismantle or tamper with the bottle jack, as this may be dangerous and will

MAINTENANCE...cont

REPLACING THE OIL



Note: For best performance and longest life, replace the complete fluid supply at least once per year, or more depending on the operating conditions.

The ram plunger and the pump piston must be fully lowered before replacing the oil.

1. Remove the oil filler plug.
2. Put the bottle jack on to its side and drain into a suitable container.



Note: Contact your local authority for advice on disposing the used oil. **Never** pour it down the sink or into any water courses.

3. Pour clean hydraulic oil into the filler hole until it starts to seep from it.
4. Once full, insert and secure the oil filler screw.

BLEEDING

- Open the release valve (D).
- Ensure that the ram plunger is fully lowered.
- locate and remove the oil filler plug (G).
- Insert the handle assembly (C) into the handle sleeve (E), and pump 6 to 8 full strokes; this will help release any pressurized air which may be trapped within the reservoir.
- Check the oil level - The oil level should be even with the bottom of the oil filler hole.
- Top up the oil level where required.
- Reinstall the oil filler plug.

GENERAL MAINTENANCE

Lubrication:

Add lubrication oil to all moving and pivoting parts every 3 months or more in a dusty environment.

Cleaning:

Check the ram plunger every 3 months for signs of corrosion (this is not covered by warranty), if necessary clean with a clean oiled cloth.

OPERATING INSTRUCTIONS

LIFTING WITH THE BOTTLE JACK

Before using the bottle jack have a visual inspection to make sure there are no oil leaks or a lack of oil.

1. Assemble the handle, ensure that spring clips align with slots.
2. Locate and close the release valve by turning the handle clockwise until firm resistance is felt.
3. Locate the lifting point on the load to be lifted, centre the bottle jack saddle underneath the lifting point.
4. Insert the handle into handle sleeve and pump to contact the lifting point. To lift, continue pumping until load reaches desired height.
5. Immediately transfer the lifted load to a pair of appropriately rated jack stands.

LOWERING THE BOTTLE JACK

1. Raise the load high enough to clear the jack stands, then carefully remove the jack stands (always used in pairs).
2. Fit the handle over the release valve.
3. Slowly turn the handle anti clockwise, but never no more than 1/2 turn.
4. Allow the load to slowly return to its original position.
5. Remove the jack from the load.
6. Once removed, ensure that the ram and handle sleeve are down at their lowest position to reduce exposure to the elements and to reduce rust and contamination.

MAINTENANCE

ADDING OIL

1. Ensure that the ram plunger and the pump piston are fully lowered.
2. Stand the jack in an upright position.
3. Remove the oil filler screw.
4. Pour clean hydraulic oil into the filler hole until it starts to seep from it.
5. Once full, insert and secure the oil filler screw.

SAFETY INSTRUCTIONS....cont

invalidate the warranty.

ALWAYS ensure the load is central on the saddle.

- If a problem with the bottle jack is experienced or suspected stop using the jack **immediately** and contact your distributor for repair.
- Do not attempt to lift a load that exceeds rated capacity of the jack.
- Do not attempt to lift a load beyond the maximum height of the jack.
- This bottle jack is a lifting device only.
- Immediately after lifting, support the load with a pair of appropriately rated jack stands.
- Never work on, under or around a load supported only by the bottle jack.
- Regularly inspect and lubricate the jack, ensuring that it is in good working order and condition.
- Always ensure that the work area is clean and tidy, free from unrelated materials and has adequate lighting.
- When lifting a vehicle ensure a minimum distance of 0.5m between vehicle and static objects such as doors, walls, etc. to allow for tilting during jacking.
- Ensure that all persons are out of the vehicle before jacking.
- **DO NOT** enter the vehicle whilst it is supported on the jack or axle stands.
- Check vehicle weight and recommended lifting points by referring to the vehicle's manual. Ensure that the lifting point is not corroded.
- **DO NOT** allow the vehicle to move, or try to start the engine, during jacking.
- **DO NOT** start the engine when vehicle is jacked up.
- **DO NOT** jack a vehicle if this may result in the spillage of fuel, battery acid, or other dangerous substances.
- Check that the jack saddle is centred and stable on lifting point (off-centre loads can slip).
- Position the jack to avoid operating it from under vehicle.
- Keep hands, limbs etc. clear of moving parts during the raising and lowering of the vehicle.
- **DO NOT** top-up the jack with brake fluid, or other oil types; use only hydraulic oil.
- **DO NOT** adjust the safety overload valve.
- Ensure that there are no persons or obstructions beneath the load before lowering.
- Clean and stow the jack correctly, with the ram in the down position, **DO NOT** leave it extended; ensure storage area is dry.
- **IMPORTANT!** Ensure that you can see the saddle and jacking point throughout the jacking operation in case there is any relative movement.
- Failure to follow the warnings in this manual, may result in personal injury and/or property damage.



CAUTION: The warnings and cautions mentioned in this user manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied.

GUARANTEE

Guarantee:

This SIP bottle jack is covered by a 12 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the jack outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges including, but not limited to parts, labour and carriage costs.

In the unlikely event of warranty claims, contact your distributor as soon as possible. Proof of purchase will be required before any warranty can be honoured.



Note: Proof of purchase will be required before any warranty can be honoured.

GETTING TO KNOW YOUR BOTTLE JACK

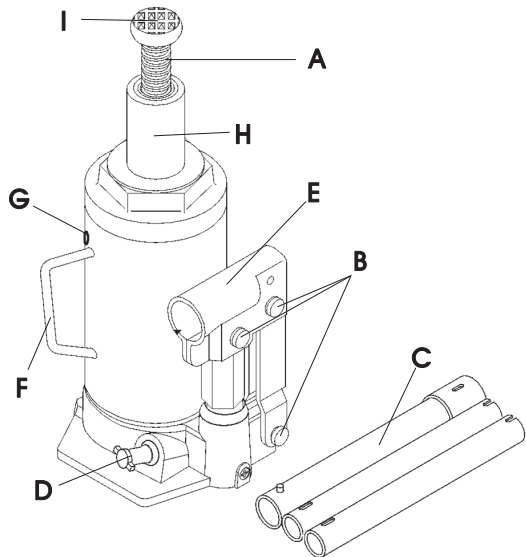
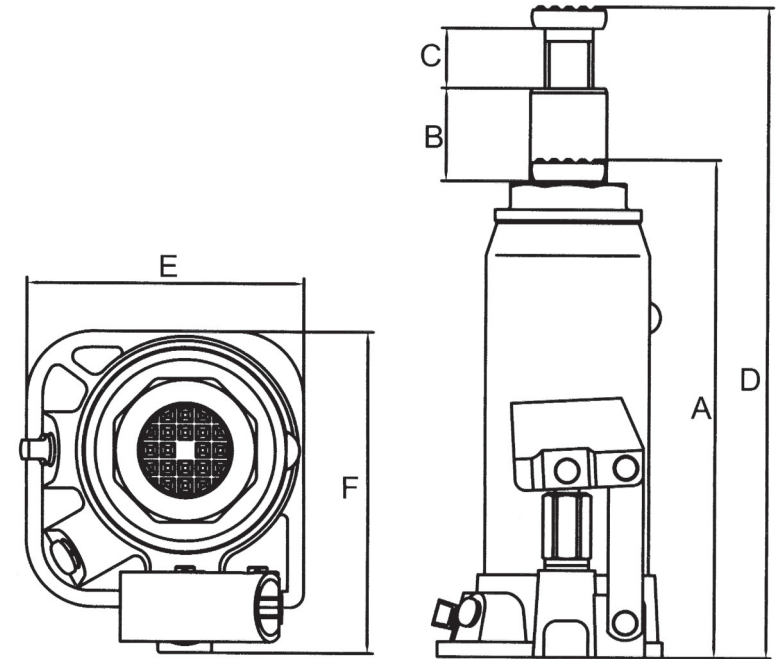


Diagram Ref.	Description
A.	Extension screw
B.	Pivot points
C.	Handle assembly
D.	Release valve
E.	Handle sleeve
F.	Carrying handle (If fitted)**
G.	Oil filler plug
H.	Ram plunger
I.	Saddle

** The carrying handle is located at the top for the 20T, 30T & 50T

SPECIFICATIONS



Ref.	2 Ton	4 Ton	8 Ton	12 Ton	20 Ton	30 Ton	50 Ton
A.	156mm	183mm	202mm	213mm	242mm	288mm	298mm
B.	100mm	118mm	136mm	142mm	166mm	200mm	200mm
C.	60mm	60mm	60mm	60mm	60mm	N/A	N/A
D.	320mm	354mm	400mm	415mm	470mm	489mm	494mm
E.	93mm	102mm	120mm	132mm	140mm	160mm	176mm
F.	88mm	107mm	117mm	135mm	154mm	170mm	214mm