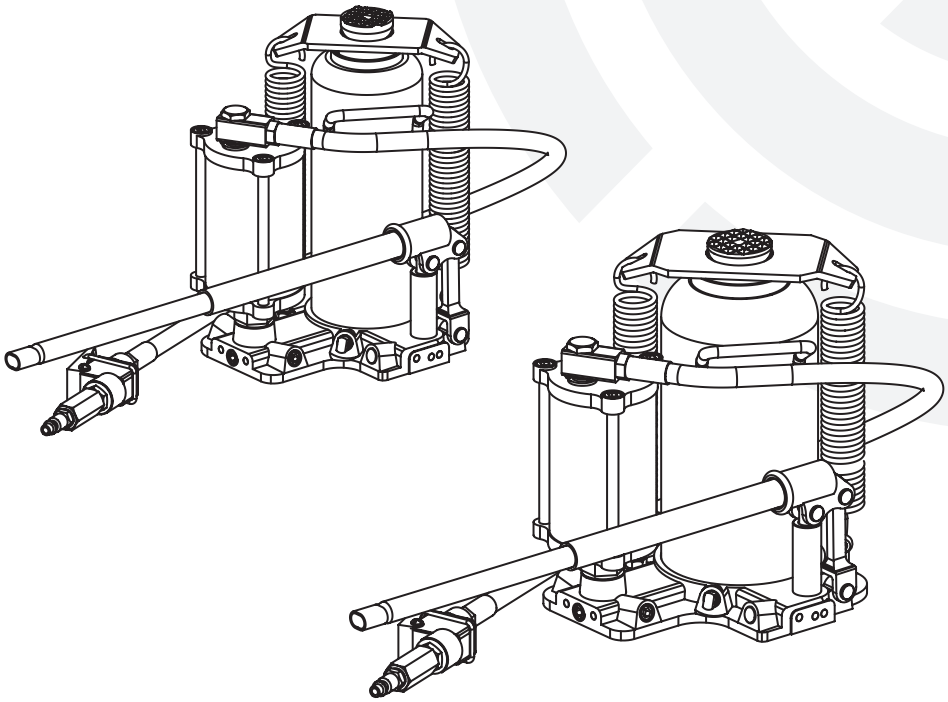


Pneumatic Hydraulic Bottle Jack

CE

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE ALL SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE TO PROPERTY AND/OR PERSONAL INJURY.

PLEASE KEEP THESE INSTRUCTIONS SAFE AND AVAILABLE FOR FUTURE REFERENCE.

CERTIFICATE OF GUARANTEE

This product is guaranteed for a period of 2 Years, with effect from the date of purchase and applies only to the original purchaser. This guarantee only applies to defects arising from, defective materials and or faulty workmanship that become evident during the guarantee period only and does not include consumable items. The manufacturer will repair or replace the product at their discretion subject to the following. That the product has been used in accordance with the guidelines as detailed in the product manual and that it has not been subjected to misuse, abuse or used for a purpose for which it was not intended. That it has not been taken apart or tampered with in any way whatsoever or has been serviced by unauthorised persons or has been used for hire purposes. Transit damage is excluded from this guarantee, for such damage the transport company is responsible. Claims made under this guarantee must be made in the first instance, directly to the retailer within the guarantee period. Only under exceptional circumstances should the product be returned to the manufacturer. In this case it shall be the consumer's responsibility to return the product at their cost ensuring that the product is adequately packed to prevent transit damage and must be accompanied with a brief description of the fault and a copy of the receipt or other proof of purchase. The manufacturer shall not be liable for any special, exemplary, direct, indirect, incidental, or consequential loss or damage under this guarantee. This guarantee is in addition to and does not affect any rights, which the consumer may have by virtue of the Sale of Goods Act 1973 as amended 1975 and 1999.

INTRODUCTION

Thank you for purchasing this product which has passed through our extensive quality assurance process. Every care has been taken to ensure that it reaches you in perfect condition. However, in the unlikely event that you should experience a problem, or if we can offer any assistance or advice please do not hesitate to contact our customer care department. For details of your nearest customer care department please refer to the telephone numbers at the back of this manual.

Safety First
Before attempting to operate this product the following basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. It is important to read the instruction manual to understand the application, limitations and potential hazards associated with this product.

HELPLINE & SPARE PARTS

In the unlikely event of a defect occurring please contact our Helpline.
Office hours: Monday - Friday 9:00am – 5:00pm. Telephone Number 01332 576 850

TECHNICAL SPECIFICATIONS

Description: 12T Pneumatic Hydraulic Bottle Jack
Model: SBJ12P
Working Load Limit: 12000kg
Height Lowered: 260mm
Height Raised: 500mm
Air Pressure: 125 - 175psi
Own weight: ca. 10kg

Description: 20T Pneumatic Hydraulic Bottle Jack
Model: SBJ20P
Working Load Limit: 20000kg
Height Lowered: 260mm
Height Raised: 500mm
Air Pressure: 125 - 175psi
Own weight: ca. 13kg

SAFETY INSTRUCTIONS

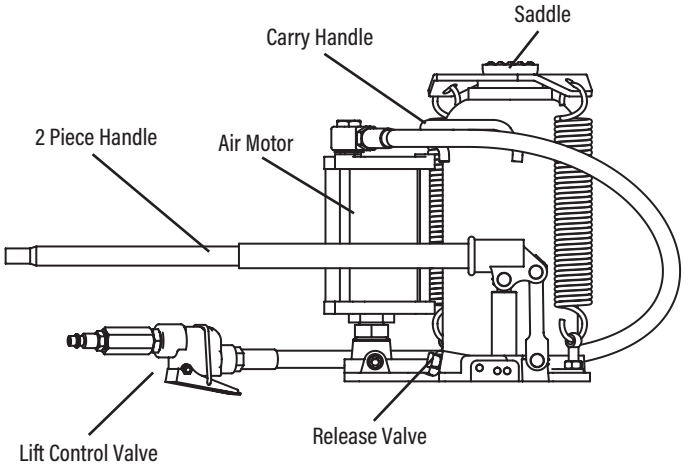
⚠ WARNING!

1. Study, understand, and follow all instructions before operating this device.
2. Do not exceed rated capacity.
3. Use only on hard, level surfaces, with less than 3 degrees of slope.
4. Lifting device only. Immediately after lifting, support the vehicle with appropriate means.
5. Do not move or dolly the vehicle while on the jack.
6. Lift only on areas of the vehicle as specified by the vehicle manufacturer.
7. No alterations shall be made to this product.
8. Only attachments and/or adapters supplied by the manufacturer shall be used.
9. Do not get under or allow anyone under the vehicle until it has been supported by jack stands.
10. Center load on saddle prior to lifting.
11. Use wheel chocks or other blocking device on opposing wheels before using jack.
12. Never use on a lawn mower or lawn tractor.
13. Do not use this jack for any use other than the manufacturer specified usage.
14. Do not rock the vehicle while working on or around equipment.
15. The following are not recommended for supporting on this equipment: Foundations, Homes, Mobile Homes, Trailers, RV's, Campers, nor Fifth Wheels, etc.
16. Failure to heed these warnings may result in personal injury and/or property damage.

ASSEMBLY

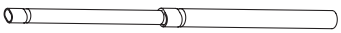
1. Familiarize yourself with the jack. (Fig.1)

Fig.1



2. Attach the two handle pieces making sure to align the holes on both sections. (Fig.2)

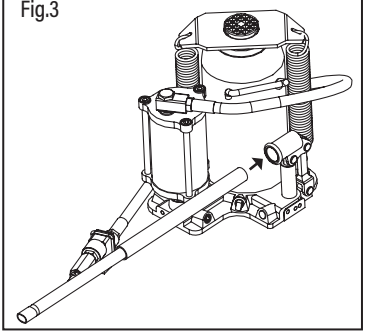
Fig.2



3. Line up the handle to the handle socket located on the side of the jack, then insert the handle inside the handle socket. (Fig.3)

4. Secure the handle in place inside the handle socket. Without any vehicle on the jack, cycle the lift up and down several times to insure the hydraulic system is operating properly. (Perform the System Air Purge Procedure before first use.)

Fig.3

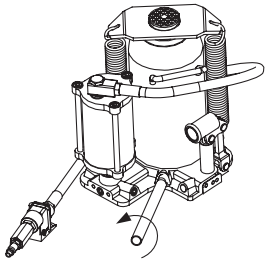


SYSTEM AIR PURGE PROCEDURE

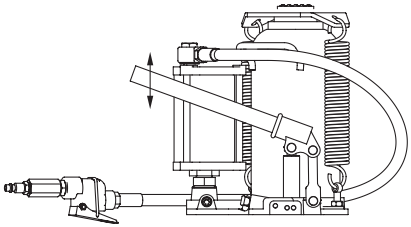
IMPORTANT: BEFORE FIRST USE

Perform the following System Air Purge Procedure to remove any air that may have been introduced into the hydraulic system as a result of product shipment and handling. This step is to be completed without any weight on the jack.

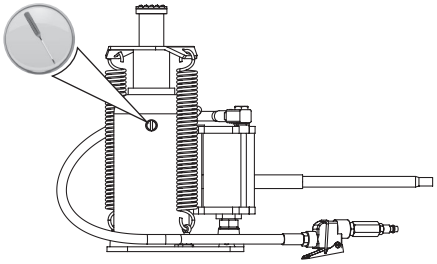
1. Turn release valve counterclockwise one full turn to the open position.



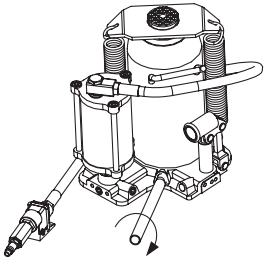
2. Rapidly pump the handle 6-8 times. Leave handle in down position to expose oil fill plug.



3. With a flat blade screwdriver, push the oil fill plug slightly to the side to purge trapped air from system. (Use caution not to tear or puncture the oil plug.)



4. Turn release valve clockwise to the closed position.
5. Jack is now ready for use. Check for proper pump action.



BEFORE USE

1. Before using this product, read the owner's manual completely and familiarize yourself thoroughly with the product and the hazards associated with its improper use.
2. Perform the system air purge procedure. (See previous instructions for system air purge procedure.)
3. Pour a teaspoon of good quality, air tool lubricant into the air supply inlet of the lift control valve. (See illustration) Connect to air supply and operate for 3 seconds to evenly distribute lubricant. (Fig.4)
4. Check and that the pump operates smoothly before putting into service.
5. This product uses a standard 1/4" NPT air fitting. If changing the fitting is required, install a 1/4" NPT fitting of your choice, ensure that thread tape or compound is used to seal connection. (Fig.5)
6. Inspect before each use. Do not use if bent, broken or cracked components are noted.)

Fig.4

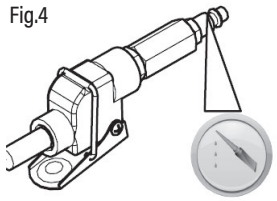
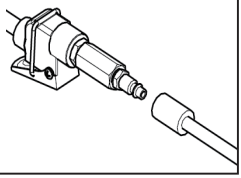


Fig.5

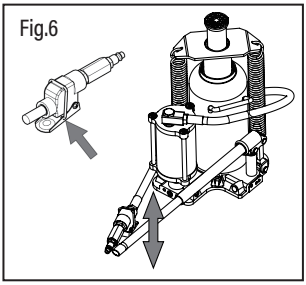


OPERATION

RAISING THE JACK

1. Block the vehicle's wheels for lifting stability. Secure the load to prevent inadvertent shifting and movement.
2. Position the jack near desired lift point.
3. Set the Parking Brake in the vehicle.
4. Refer to the vehicle manufacturer owner's manual to locate approved lifting points on the vehicle. Position the jack so that the saddle is centered and will contact the load lifting point firmly.
5. Assemble the handle, ensure that spring clips align with slots.
6. Close the release valve by turning it clockwise until it is firmly closed.
7. Before raising the vehicle double check and verify the saddle is centered and also has full contact with the lifting point.
8. Pump handle or squeeze air trigger to lift until saddle contacts load. (To stop air operation, simply release the grip on the lift control valve.) Continue to pump the jack handle to lift the vehicle to the desired height. After lifting, support the load with appropriately rated vehicle support stands before working on the vehicle. (Fig.6)

Fig.6



CAUTION: Never wire, clamp or otherwise disable the lift control valve to function by any means other than by using the operator's hand. Use the handle provided with this product or an authorized replacement handle to ensure proper release valve operation. Do not use extensions on the air hose or on the operating handle.

OPERATION

LOWERING THE JACK

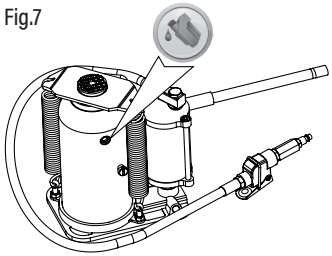
1. Raise load high enough to allow clearance for the jack stands to be removed, then carefully remove jack stands.
2. Remove support stands.
3. Grasp the handle firmly with both hands. Securely hold on to the jack handle so your hands do not slip and ensure the release valve does not rapidly lower.
4. Carefully open the Release Valve by slowly turning the handle counterclockwise. (Do not allow bystanders around the jack or under the load when lowering the jack.
5. After removing jack from under the load, push ram and handle sleeve down to reduce exposure to rust and contamination.

WARNING: Use extreme caution when lowering the jack. The jack handle may turn rapidly. Opening the release valve too fast can cause the jack to lower rapidly. Failure to head these warnings could cause serious injury or death.

TO ADD JACK OIL

1. Position the jack on level ground and lower the saddle.
2. Remove the oil plug.
3. Fill the oil case until oil level is just beneath the lower rim of the oil fill hole. (Fig.7)
4. Replace oil plug.
5. Perform the System Air Purge Procedure.

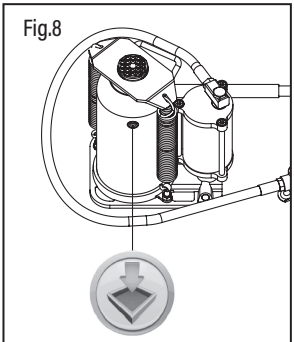
Fig.7



TO REPLACE JACK OIL

1. Position the jack on level ground and lower the saddle.
2. Open release valve by turning handle counter-clockwise (4 full turns).
3. Remove the oil fill plug.
4. Turn the jack on its side so that old oil will drain from the oil fill hole. (Fig.4)
5. Position the jack on level ground and lower the saddle.
6. Fill the oil case until oil level is just beneath the lower rim.
   KEEP DIRT AND OTHER MATERIAL CLEAR WHEN POURING.
7. Replace oil plug.
8. Perform the System Air Purge Procedure.

Fig.8



ADDITIONAL NOTES:

- Periodically check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oil cloth. **NEVER USE SANDPAPER OR ABRASIVE MATERIAL ON THESE SURFACES!**
- When not in use, store the jack with pump piston and ram fully retracted.

OPERATION

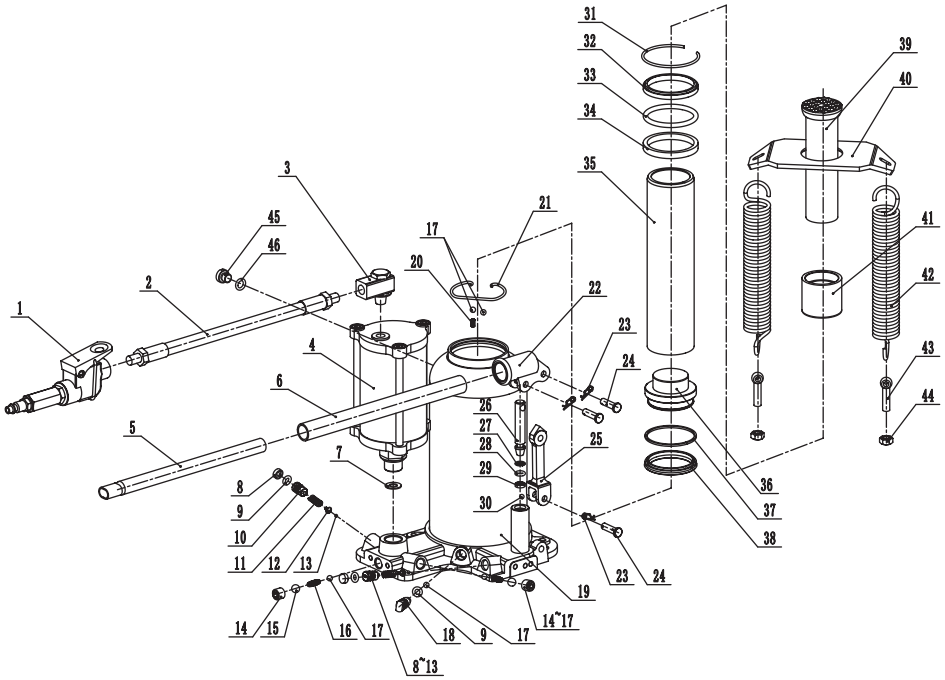
ADDITIONAL WARNINGS:

- Do not use motor oil in the jack.
- Only use anti-foaming jack oil.
- Always use a good grade hydraulic jack oil.
- Do not use hydraulic brake fluid, alcohol, glycerine, detergent, motor oil or dirty oil.
- Use of a non-recommended fluid can cause damage to a jack.
- Avoid mixing different types of fluid and never use brake fluid, turbine oil, transmission fluid, motor oil or glycerin. Improper fluid can cause premature failure of the jack and the potential for sudden and immediate loss of load.
- Dispose of hydraulic fluid in accordance with local regulations.

TROUBLESHOOTING

Problem	Possible cause	Action
The jack does not reach its full height.	Low level of oil in the jack.	Check the oil level.
	Air in the hydraulic system.	Purging air from the jack.
The load lowers down.	The relief valve does not close properly.	Contact SGS Customer Service.
	The oil is contaminated.	
	The pump valves are leaking	
	The piston is jammed.	
	Air in the hydraulic system.	Purging air from the jack.
The lifting arm does not lower.	The piston is jammed.	Contact SGS Customer Service.
	Worn parts.	
	Internal damage to the jack.	
	The return spring has broken, or come loose.	
	The lift linkage is damaged or jammed.	
	Air in the hydraulic system.	Purging air from the jack.
Imprecise movement when lifting.	Air in the hydraulic system.	Purging air from the jack.

EXPLODED PARTS DIAGRAM-SBJ12P

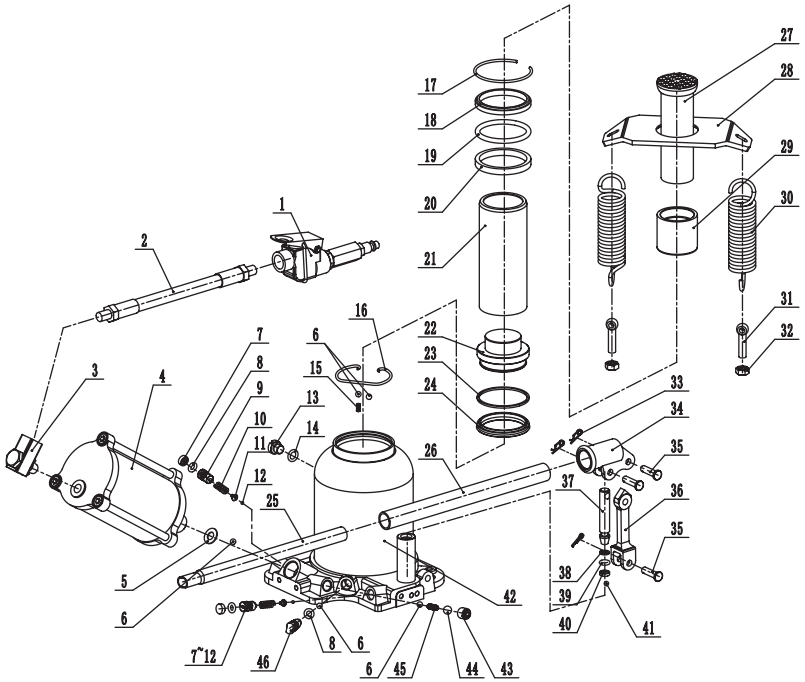


No.	Description	Qty
1	Pneumatic switch	1
2	Air hose assembly	1
3	Connector	1
4	Air motor	1
5	Upper handle	1
6	Lower handle	1
7	Washer	1
8	Cover	2
9	O-Ring	3
10	Regulating screw	2
11	Spring	2
12	Spring seat	2
13	Steel ball	2
14	Screw M12×1.25×10	2
15	Steel ball	2

No.	Description	Qty
16	Spring	2
17	Steel ball	4
18	Release valve	1
19	Base assembly	1
20	Spring	1
21	Snap ring	1
22	Handle socket	1
23	Cotter Pin	3
24	Pin	3
25	Connecting rod	1
26	Pump core	1
27	Seal ring	1
28	O-Ring	1
29	Steel ball retaining ring	1
30	Steel ball	2

No.	Description	Qty
31	Snap ring	1
32	Rectangular Ring	1
33	O-Ring	1
34	Rectangular Ring	1
35	Piston	1
36	Piston head	1
37	Back up ring	1
38	Y-Ring	1
39	Adjusting rod	1
40	Spring plate	1
41	Sleeve	1
42	Spring	2
43	Spring screw	2
44	Nut M8	2
45	Screw	1
46	O-Ring	1

EXPLODED PARTS DIAGRAM-SBJ20P



No.	Description	Qty
1	Pneumatic switch	1
2	Air hose assembly	1
3	Connector	1
4	Air motor	1
5	Washer	1
6	Stell ball	4
7	Cover	2
8	O-Ring	3
9	Regulating screw	2
10	Spring	2
11	Spring seat	2
12	Steel ball	2
13	Screw	1
14	O-Ring	1
15	Spring	1

No.	Description	Qty
16	Snap ring	1
17	Snap ring	1
18	Rectangular Ring	1
19	O-Ring	1
20	Rectangular Ring	1
21	Piston	1
22	Piston head	1
23	Back up ring	1
24	Y-Ring	1
25	Upper handle	1
26	Lower handle	1
27	Adjusting rod	1
28	Spring plate	1
29	Sleeve	1
30	Spring	2

No.	Description	Qty
31	Spring screw	2
32	Nut M8	2
33	Cotter Pin	3
34	Handle socket	1
35	Pin	3
36	Connecting rod	1
37	Pump core	1
38	Seal ring	1
39	O-Ring	1
40	Steel ball retaining ring	1
41	Steel ball	1
42	Base assembly	1
43	Screw	1
44	Steel ball	1
45	Spring	1
46	Release valve	1

EC DECLARATION OF CONFORMITY

1. **Product models:** SBJ12P, SBJ20P

2. **Name and address of the manufacturer or his authorised representative:**

SGS Engineering (UK) Ltd
Unit 1 West Side Park, Raynesway, Derby, DE21 7AZ
Telephone: +44 (0)1332 576 850

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**

4. **Object of the declaration:**

Equipment: 12 TON PNEUMATIC HYDRAULIC BOTTLE JACK
20 TON PNEUMATIC HYDRAULIC BOTTLE JACK
Brand name: SGS

5. **The object of the declaration described above is in conformity with the relevant statutory requirements:**

Machinery Directive as amended by directive 2009/127/EC
Mobile or movable jacks and associated lifting equipment
The Supply of Machinery (Safety) Regulations 2008 Statutory instrument 2008 No.1597
The Supply of Machinery (Safety) (Amendment) Regulations 2011 Statutory instrument 2011 No.2157

6. **References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:**

2006/42/EC
EN1494:2000 + A1:2008

7. **The person authorized to compile the technical file:**

Name: Neil Sansom
Address: SGS Engineering (UK) Ltd, Unit 1 West Side Park, Raynesway, Derby, DE21 7AZ

Signed for and on behalf of:

Authorised Representative

Neil Sansom, CEO
Date: 08/11/2025

CE