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Original Instructions
Version 1 - April 2026

HYDRAULIC **BOTTLE JACKS**

**36361, 36364, 36365, 36366,
36367, 36369.**



1. Preface

These are the original product instructions. Read the instruction manual in full and retain for future reference.

Please visit drapertools.com/manuals for the latest version of this manual and the associated parts list, if applicable.

1.1 Product Reference

User Manual for: Hydraulic Bottle Jacks

Stock No: 36361, 36364, 36365, 36366, 36367, 36369.

Part No: BJ2W, BJ4W, BJ6W, BJ10W, BJ12W, BJ20W.

1.2 Revisions

Version 1: April 2026
First release

2. Contents

EN

1. Preface	2	6. Preparing the Jack	7
1.1 Product Reference	2	6.1 Bleeding the Jack	7
1.2 Revisions	2	6.2 Test the Jack before use	7
2. Contents	2	7. Operating Instructions	8
3. Product Introduction	3	7.1 Raising a Load	8
3.1 Intended Use	3	7.2 Lowering a Load	8
3.2 Specification	3	8. Maintenance and Troubleshooting	9
4. Health and Safety Information	4-5	8.1 General Maintenance	9
4.1 General Health and Safety Precautions	4	8.2 Storing the Jack	9
4.2 Preparing the Vehicle to be Lifted	4	8.3 Troubleshooting	9
4.3 Correct Use of the Jack	5	9. Spares, Returns and Disposal	10
4.4 Residual Risk	5	10. Warranty	10
5. Identification	6	11. Explanation of Symbols	11
5.1 Product Overview	6		

3. Product Introduction

3.1 Intended Use

This bottle jack is designed for use in lifting vehicles up to the maximum stated weight limit. It is manufactured and tested in accordance with the required EN1494 standard.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

3.2 Specification

Stock No.	36361	36364	36365
Part No.	BJ2W	BJ4W	BJ6W
Maximum lifting capacity:	2 tonne	4 tonne	6 tonne
Safe working load:	2,000kg	4,000kg	6,000kg
Lifting height range:			
Minimum (approx.):	168mm	188mm	207mm
Maximum (approx.):	316mm	363mm	402mm
Screw extension:	50mm	50mm	50mm
Ram diameter:	25mm	25mm	30mm
Handle length:	260mm	260mm	280mm
Base size (approx.):	94.5 x 78mm	108.5 x 87mm	117 x 97mm
Net weight:	2kg	2.8kg	3.7kg

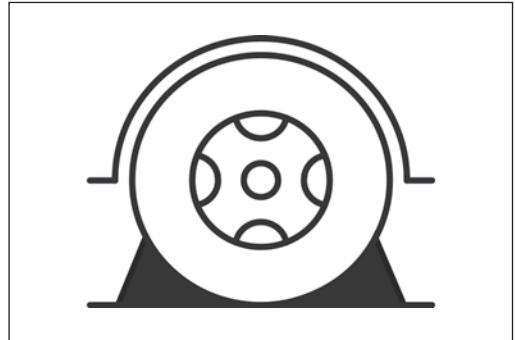
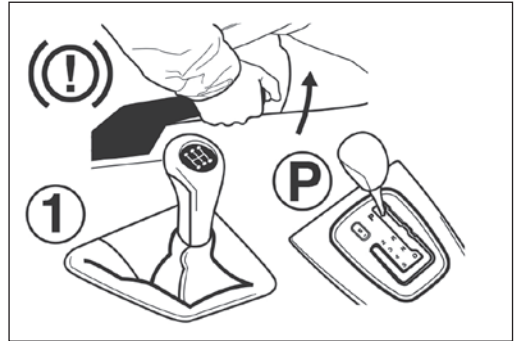
Stock No.	36366	36367	36369
Part No.	BJ10W	BJ12W	BJ20W
Maximum lifting capacity:	10 tonne	12 tonne	20 tonne
Safe working load:	10,000kg	12,000kg	20,000kg
Lifting height range:			
Minimum (approx.):	225mm	227mm	235mm
Maximum (approx.):	450mm	457mm	445mm
Screw extension:	50mm	50mm	50mm
Ram diameter:	33mm	33mm	36mm
Handle length:	280mm	280mm	300mm
Base size (approx.):	124 x 106mm	124 x 106mm	152 x 124mm
Net weight:	4.8kg	6kg	8.6kg

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user, the product or the vehicle to be lifted. Draper Tools accepts no responsibility for improper use of this jack.

4.1 General Health and Safety Precautions

- Only authorised personnel who have carefully read and understood this manual should operate this jack.
- **ALWAYS** wear adequate protective footwear when using the jack.
- **ALWAYS** ensure that the working area is well illuminated and free from obstructions.
- Keep bystanders at a safe distance during operation.
- Allow a minimum distance of 0.5m between the vehicle and surrounding objects to allow the vehicle to tip when lifted.
- Care must be taken when handling and lifting.
 - Dropping the jack may result in damage to the product or personal injury.
- **DO NOT** modify this product in any way.
- Stay alert to external interference that may cause the raised load to rock during preparation and operation.
- When not in use, lower the lifting ram and remove the pump handle.
- This jack does not emit noise that exceeds a level of 70dB(A) during operation.

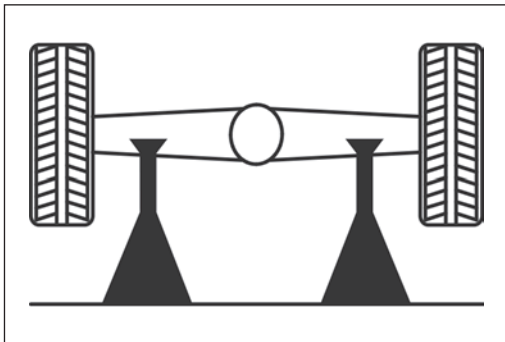
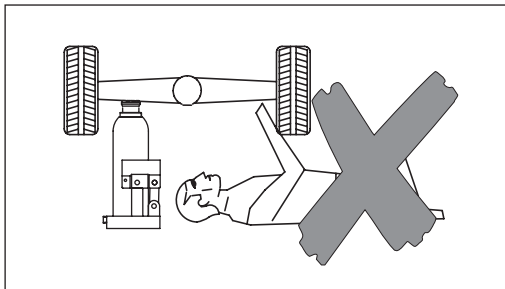
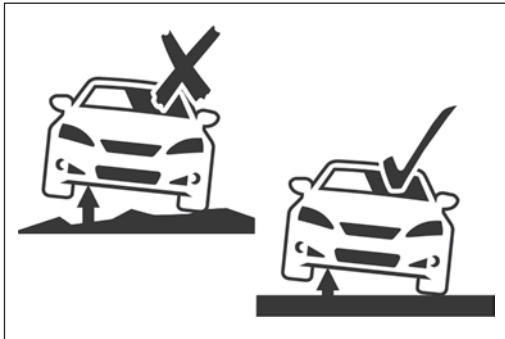
4.2 Preparing the Vehicle to be Lifted



WARNING! DO NOT lift the vehicle if it may result in the spillage of dangerous substances, including fuel or battery acid.

- Ensure that there is no one inside the vehicle.
- Switch off the engine and apply the handbrake.
- Put the vehicle into gear (for manual transmission) or "Park" (for automatic transmission).
- Take any necessary precautions to prevent the vehicle from sliding.
 - Grounded wheels should be securely blocked with wheel chocks.

4.3 Correct Use of the Jack



Important: The jack is a lifting device **ONLY** and should never be used to move the vehicle. The vehicle to be lifted should never exceed the rated capacity of the jack.

- **ALWAYS** bleed the jack piston before use.
- **ONLY** operate the jack on solid, level and horizontal surfaces.
 - A concrete surface is recommended, where possible.
 - The base of the jack should be in contact with the operating surface when in use.

WARNING! Never use the jack on any surface that is slippery or may sink or rock.

- When positioning the jack, **ALWAYS** use the manufacturer's recommended lifting point.
 - These points vary between vehicles; consult the manufacturer's manual or the Haynes workshop manual for the specific vehicle information.
- Ensure that the lifting point is not dirty, greasy or corroded.
- The lifting point must remain centred over the saddle during raising and lowering; off-centred loads may slip and cause injury.
- Position the jack so that no part of the operator is required to be underneath the vehicle at any time during lifting or lowering.
- Keep clear of all movable parts of the jack mechanism when in use.
- To prevent overloading, the jack is fitted with an overload valve set at the factory.

Important: The overload valve should not be adjusted under any circumstances. If the capacity of the jack is exceeded, the valve will prevent the lifting operation.
- Take all precautions to prevent movement of the vehicle during raising and lowering.
 - Be aware that traffic and other external forces may cause the load to rock if used at the roadside.
- Remain alert and observe the load at all times during operation.
 - Should any dangerous conditions occur, including unexpected movement of the vehicle, cease all operation until these conditions have been rectified.
- **NEVER** work under a raised vehicle without using the correct axle supports or other appropriate supporting methods.

- **DO NOT** enter the vehicle or start the engine while it is supported on the jack or axle stand.
- **NEVER** leave the jack unattended when in use.
- **NEVER** detach the handle shaft while the jack is under load.
- **ALWAYS** ensure that there are no persons or obstacles beneath the vehicle before lowering.

4.4 Residual Risk

- The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5.1 Product Overview



- | | | | |
|-----|--------------------|-----|------------------------------|
| (1) | 3 Part Pump handle | (6) | Handle socket |
| (2) | Ram | (7) | Overload valve |
| (3) | Extension screw | (8) | Release valve |
| (4) | Saddle | (9) | Carry handle (36367 & 36369) |
| (5) | Oil filler plug | | |

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6. Preparing the Jack

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Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

Prepare the jack correctly before each use.

- Check the jack for bent, broken, cracked or loose parts, and oil leaks.
- **ALWAYS** check the oil level and bleed the jack piston before each use.



WARNING! DO NOT use the product if defects are present. If it is suspected that the jack has been subjected to abnormal loads or has suffered any knocks, withdraw it from service until the product has been repaired.

6.1 Bleeding the Jack (Fig.1 – Fig.2)

1. Assemble the handle sections (1).



Fig.1

2. Place the oval shaped end of the handle over the release valve (8).
3. Carefully turn the handle anticlockwise to open the release valve and allow the ram (2) to drop.

Important: If the ram does not fully retract, use your foot to push it down into its lowest position and drive any air from the piston.

4. Place the end of the handle used to release the valve into the handle socket (6).
5. Pump the handle up and down at least 15 times to lubricate the piston.



Fig.2

6. Place the handle back over the release valve and turn clockwise to close the valve. Turn until strong resistance is met.



CAUTION! DO NOT overtighten the valve as this may damage the seal.

6.2 Test the Jack before use

1. Pump the handle up and down to raise the lifting arm to its highest position.
 - Observe the saddle (4) to check that it does not drop.
2. If the ram begins to drop without intervention:
 - Open the release valve by turning anticlockwise and return the ram to its lowest position.
 - Slightly loosen the oil filler plug (5) to allow any air to escape.
 - Retighten the oil filler plug.
3. Test the jack again by raising the ram.
 - Repeat the process if necessary.
 - If the issue does not resolve after several attempts, contact Draper Tools for assistance.
4. The Jack is now ready to use.

Important: Before operating this product, read and understand all the safety instructions listed in this manual. Ensure that the product is correctly prepared for use.

7.1 Raising a Load

1. Position the jack directly beneath the approved vehicle lifting point.
 - Refer to the vehicle manufacturer's information for the correct approved lifting points.



Fig.3

2. Turn the extension screw (3) anticlockwise until contact is made with the vehicle.
3. Turn the release valve (8) clockwise until strong resistance is felt.
4. Insert the handle and pump to lift the vehicle to the required height.
 - Use the full stroke range to lift more quickly.

Important: if the jack drops under load, lower the load (see 7.2) and bleed the jack (see 6.1).

5. Immediately secure the raised vehicle with an appropriate axle stand.

7.2 Lowering a Load



WARNING! ALWAYS ensure that there are no persons or obstacles beneath the vehicle before lowering the load.

1. Gently pump the handle (1) to raise the vehicle slightly to allow the axle stands to be removed safely.
2. Once the axle stand is clear, place the end of the handle over the release valve and turn anticlockwise to lower the load.

Important: the lowering speed is controlled by the release valve. Grip the handle firmly and open the valve slowly to maintain control of the load.

3. When the vehicle is fully lowered, remove the jack.
 - If the extension screw has been extended, turn it clockwise until it retracts enough to move the jack away from the vehicle.
 - Once clear of the vehicle ensure the extension screw and ram are fully retracted.

Important: Maintenance and repair of the jack must only be performed by qualified personnel with sufficient knowledge of the hydraulics systems used in these devices.

8.1 General Maintenance

- Keep the jack clean and regularly lubricate all moving parts.
 - Dust and debris may cause components to become clogged or jammed, and the product may not perform at its best.
- Protect the jack and its components from adverse environmental and weather conditions, both during use and when stored.
 - The components may rust if exposed to damp air for prolonged periods.

- When the jack is not in use, ensure the ram is fully retracted to avoid corrosion.
- Use only spare parts supplied by Draper Tools.
- Before each use, check the jack for signs of damage or disrepair.

8.2 Storing the Jack

When the jack is not in use:

- Ensure the ram and extension screw are fully retracted to avoid corrosion.
- Store the jack in a clean, dry location and out of the reach of children.

8.3 Troubleshooting

Problem	Possible Cause	Remedy
Ram does not raise when handle pumped.	The release valve is not fully closed.	Turn the handle clockwise until strong resistance is felt to close the valve. Bled the jack if necessary.
	Maximum load exceeded.	Use an appropriate rated jack or reduce the load weight. DO NOT adjust the overload valve.
	Piston system is corroded.	DO NOT use the jack. Contact Draper Tools for advice.
Saddle drops once lifted.	The release valve is not fully closed.	Turn the handle clockwise until strong resistance is felt to close the valve. Bled the jack if necessary.
	Hydraulics mechanism is damaged.	DO NOT use the jack. Contact Draper Tools for advice.
	Dirt or other contaminants maybe in the mechanism.	Drain oil and replace.
Ram will not raise or lower under load even after bleeding.	Air trapped in mechanism.	Lower the saddle and close the release valve.
		Manually lift the saddle slightly and open the release valve.

9. Spares, Returns and Disposal

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For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

Important: For safety, **ALWAYS** drain and clean the product of any oil, fuel, chemicals or other substances before returning it to Draper Tools or its authorised agent.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste.
- **DO NOT** abandon in the environment.

Dispose of oil separately and in accordance with local regulations; **DO NOT** abandon it in the environment.



10. Warranty

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Draper Tools products are guaranteed for 12 months to be free from defective materials and workmanship. Full details of the warranty period can be found on the Draper Tools Website – visit drapertools.com/warranty.

Should the tool develop a fault within the warranty period, return the complete tool to the place of purchase or contact Draper Tools directly. Proof of purchase must be provided.

This warranty does not apply to any consumable parts or normal wear and tear.

It also does not cover any damage caused by misuse, careless or unsafe handling, modifications, or repairs carried out by any personnel other than an authorised Draper Tools repair agent.

Please note that this guarantee is in addition to and does not affect your statutory rights.

Draper Tools Limited



Read the instruction manual



Use only on level surfaces



Chock all grounded wheels



Support raised vehicles with axle stands



Do not work under vehicles when supported only by a jack



Bleed the jack before every use



Use AW 22 hydraulic oil



Warning!



Do not abandon in the environment



UK Conformity Assessed



European conformity

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