

DRAPER

STORMFORCE

EN

Original Instructions
Version 2 – May 2025

230V 105BAR

PRESSURE WASHER

98674



UK
CA CE

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are supplied by Draper Tools to help illustrate correct operation of the product.

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: 230V 150Bar Pressure Washer

Stock No: 98674

Part No: PW1400/70SF

1.2 Revisions

Version 1: October 2020

First release

Version 2: May 2025

As our manuals are continually updated, always ensure that the latest version is used.

Please visit [drapertools.com/manuals](https://www.drapertools.com/manuals) for the latest version of this manual and the associated parts list, if applicable.

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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In all cases, this copyright notice must remain intact.

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3. Product Introduction

3.1 Intended Use

This compact lightweight pressure washer is designed to clean vehicles, caravans, motor vans, driveways, boats and other domestic applications.


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

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

3.2 Specification

Stock No.	98674
Part No.	PW1400/70SF
Rated voltage	230V/50Hz
Rated input	1400W
Working pump pressure	1015psi (70bar)
Max. pump pressure	1523psi (105bar)
Max. flow rate	6.8L/min (408L/hour)
Working flow rate	5.5 L/min
Type of protection	IPX5
Max. water feed temperature	50°C
Noise emissions	
Sound pressure level (LpA)	71dB (A)
Sound power level (LWA)	88dB (A)
Uncertainty (K)	3dB (A)
Vibration level	2.5m/s ²
Cord length (approx.)	5M
Net weight (machine and accessories)	6.5kg

Important: The declared vibration total values and noise emissions values have been measured in accordance with a standard test method and may be used for comparing one tool with another. These values may also be used in a preliminary assessment of exposure.

 **WARNING!** The vibration and noise emissions during actual use of the product can differ from the declared values depending on the type of work and the area upon which it is used. Before each use, estimate the likely exposure resulting from the actual conditions of use. Take into account all parts of the operation cycle in order to identify any safety measures required to protect the operator.

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 workpiece.

4.1 General Health and Safety Precautions



WARNING!

- **DO NOT** use the appliance if a supply cord or important parts are damaged, e.g. safety devices, high pressure hoses, trigger gun etc.
- If an extension cord is used, it shall be suitable for outdoor use, and the connection has to be kept dry and off the ground. It is recommended that this is accomplished by means of a cord reel which keeps the socket at least 60 mm above the ground.
- **ALWAYS** switch off completely when leaving the appliance unattended.
- This appliance has been designed for use with a neutral shampoo based on biodegradable anionic surface-active detergents. The use of other detergents or chemicals may adversely affect the safety of the appliance.
- **DO NOT** use the appliance within range of persons unless they wear protective clothing.
- **NEVER** point the jet at yourself or others to clean clothing or footwear.
- High pressure jets may be dangerous if subject to misuse. Jets must not be directed at persons, animals, live electrical equipment or the appliance itself.
- The hoses, accessories and high-pressure couplings are essential for the appliance's safety. Use only hoses, accessories and couplings recommended. Protect these components against damage by avoiding their improper use and protecting them against bending, knocks and scratches.
- **NEVER** allow children or untrained people to use the appliance.
- This appliance is for outdoors use **only**.
- Always disconnect the electricity and water supplies on completion of every job.
- Always wear appropriate PPE (personal protective equipment) when using the pressure washer.

- **DO NOT** direct the nozzle toward mechanical parts containing lubricant grease, as the grease will dissolve and spread over the surrounding ground.
- Vehicle tyres/tyre valves may only be cleaned from a minimum distance of 30cm, otherwise the vehicle tyre/tyre valve could be damaged by the high-pressure jet. The first indication of this is a discolouration of the tyre. Damaged vehicle tyres/tyre valves can be dangerous.
- The safety button on the trigger assembly is to prevent accidental operation and will **NOT** lock the lever during operation. Whenever use of the appliance is interrupted it is important to operate the safety button to prevent accidental activation of the jet.
- This appliance can be used by people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- **DO NOT** leave this appliance in standby mode for more than 5 minutes.
- The high-pressure hose is designed to withstand high pressures. To avoid damage, it must be handled with special care. Misuse may lead to premature breakages or damage and cause the loss of warranty cover.
- **NEVER** start the pressure washer without first completely unwinding the high-pressure hose.
- When winding and unwinding the hose take care not to cause the pressure washer to overturn.
- Before unwinding or winding the hose, switch the appliance off and release the pressure in the hose itself.

4.2 Connection to the Power Supply



CAUTION! Risk of electric shock. Do not open.

This appliance is supplied with an approved plug and cord for your safety.

If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.

The damaged or incomplete plug, when cut from the cord, shall be disabled to prevent connection to a live electrical outlet.


4. Health and Safety Information

This appliance is a Class II† appliance and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, use a small plain-slot screwdriver to remove the fuse cover. Ensure the substitute is of the correct rating, approved to BS 1363/A and ASTA or BS Kite marked. This should only be performed by suitably qualified personnel.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instructions supplied with the extension lead.

Important: Always follow the extension lead instructions regarding maximum load while the cable is wound. If in doubt, unwind the entire cable. A coiled extension lead generates heat which could melt the lead and cause a fire.

†**Double insulated** : This product is double insulated and does not require an earth connection to protect against electric shock from accessible conductive parts in the event of failure of the basic insulation.

4.3 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.

4.4 Explanation of Symbols


- 


Read the instruction manual
- 


Wear safety glasses
- 


Wear protective gloves
- 


Wear protective footwear


- 


Warning!
- 


Protect from frost
- 

Never spray people or animals
- 

Variable spray nozzle
- 

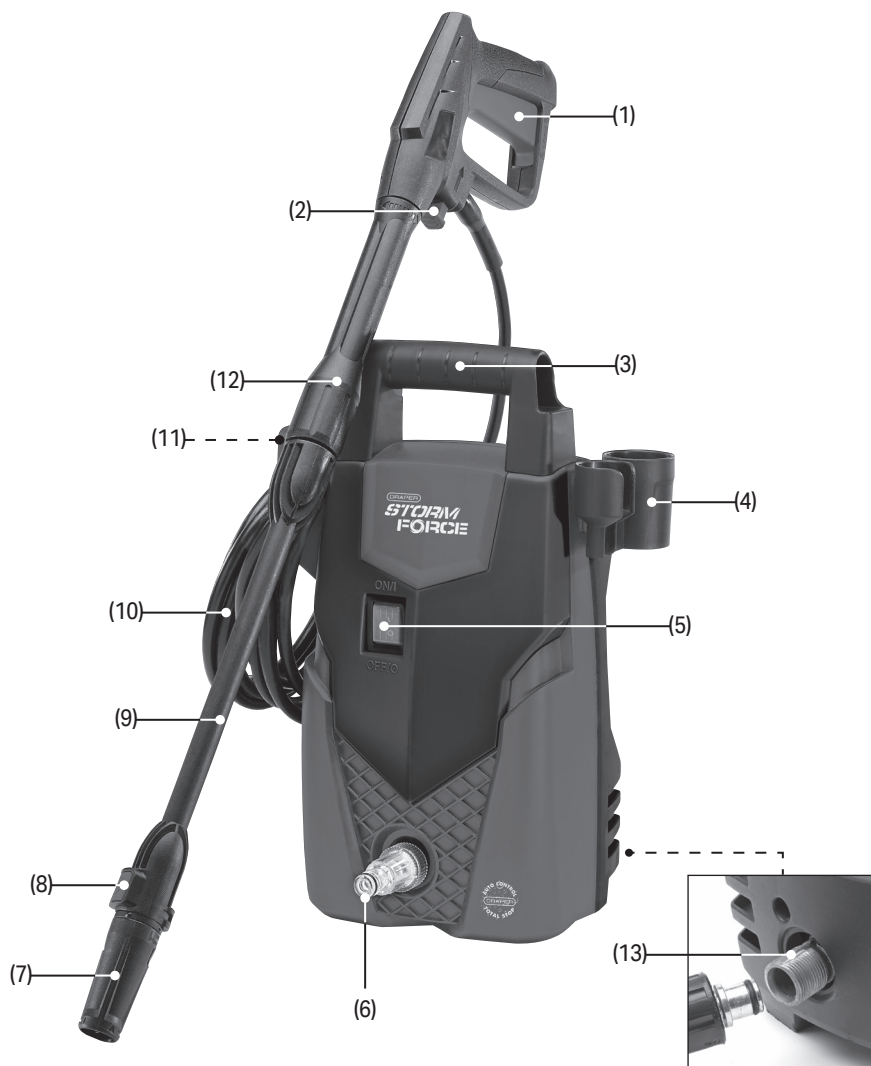
Class II construction
(Double insulated)
- 

WEEE –
Waste Electrical & Electronic Equipment
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish
- 

European conformity
- 

UK Conformity Assessed

5.1 Product Overview



(1) Spray release trigger

(2) Hose release button

(3) Carry handle

(4) Lance holder

(5) Power supply 'ON/OFF' switch

(6) Water inlet connection adaptor

(7) Spray nozzle

(8) Nozzle release button

(9) Lance

(10) 3M High pressure hose

(11) Cord hook

(12) Trigger assembly

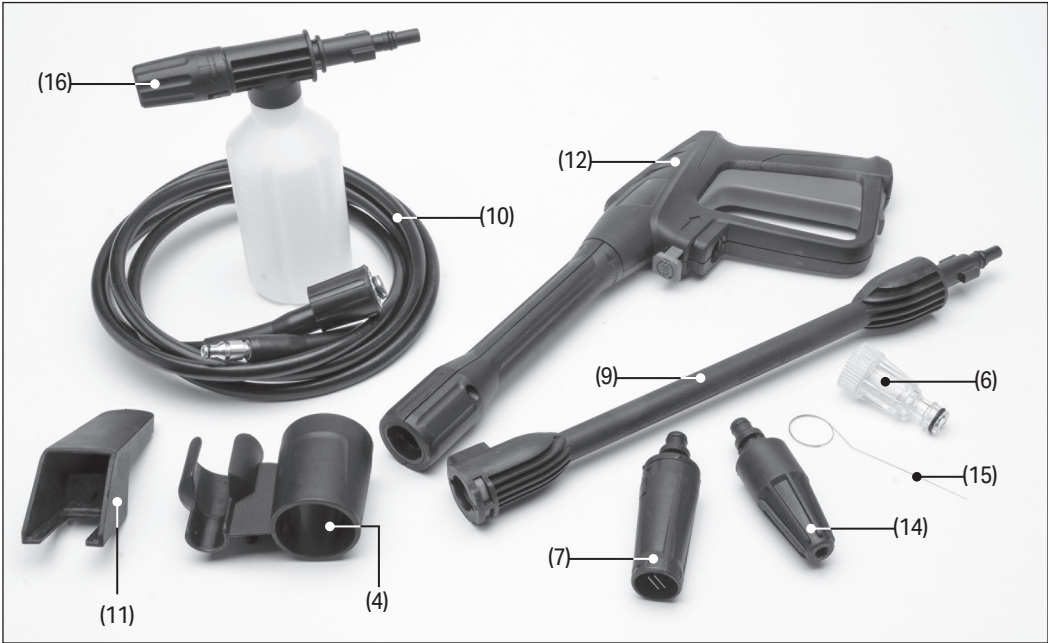
(13) High pressure hose outlet connection

5. Identification and Unpacking

5.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



- | | |
|------------------------------------|-------------------------------------------------------|
| (4) Lance holder | (11) Cord hook |
| (6) Water inlet connection adaptor | (12) Trigger assembly |
| (7) Spray nozzle | (14) Turbo nozzle |
| (9) Lance | (15) Nozzle cleaning pin (attached to back of manual) |
| (10) 3M high pressure hose | (16) Detergent bottle |

5.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit drapertools.com for our full range of accessories and consumables.

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

6.1 Fitting the Lance Holder & Cord Hook

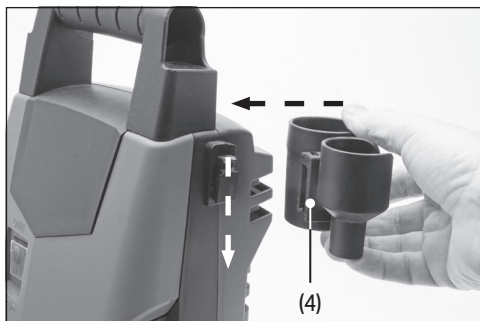


Fig. 1

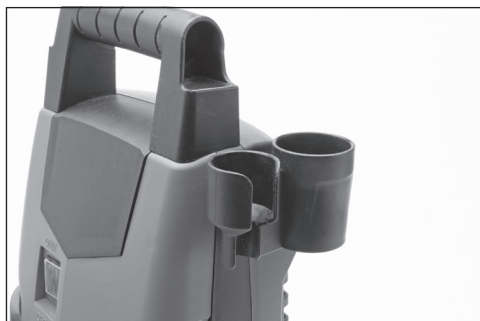


Fig. 2

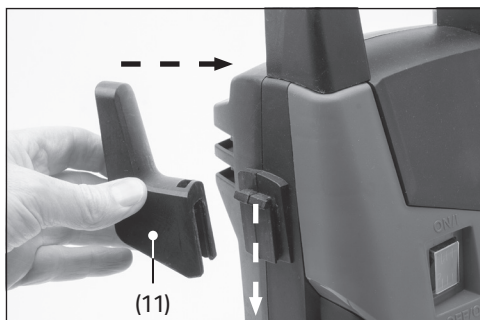


Fig. 3



Fig. 4

Fit the lance holder (4) and cord hook (11) at the location points, then slide down over the fittings to secure.

6.2 Fitting the Lance

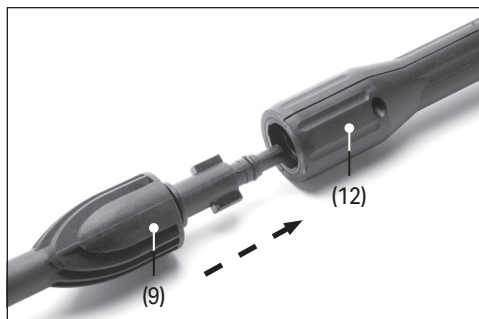


Fig. 5

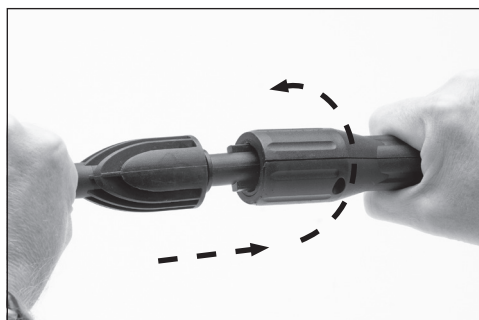


Fig. 6

- Connect the bayonet fittings of the lance (9) onto the trigger assembly section (12).
- Then push in the bayonet fitting and turn anti-clockwise to lock in place.
- To release, push down and turn clockwise.

6. Assembly

6.3 Fitting the Nozzle to the Lance

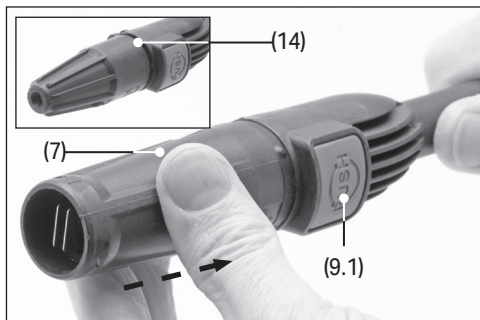


Fig. 7

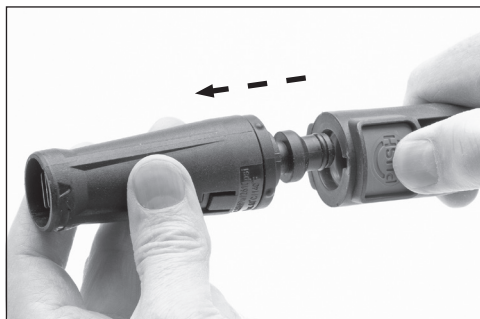


Fig. 8

- To connect either the spray nozzle (7) or turbo nozzle (14) to the lance (9), push the nozzle into the end of the lance until it clicks into place.
- To remove, press the release button (9.1) on the lance to disconnect.

6.4 Fitting the High-Pressure Hose

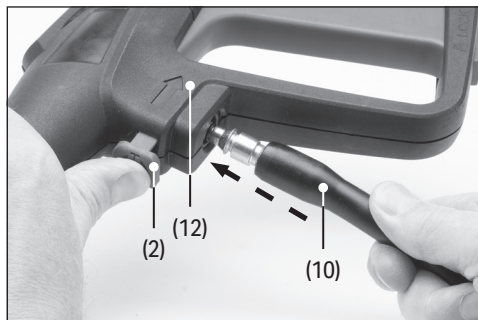


Fig. 9

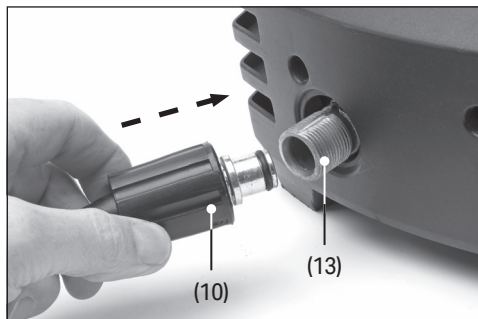


Fig. 10

- Connect the high-pressure hose (10) to the trigger assembly (12), by pushing the hose connector into the inlet on the assembly.
- Insert the other end of the hose (10) into the high-pressure outlet (13) and screw the shrouded end of the hose onto the threaded outer section of the pressure outlet. Take care not to cross the threads.
- To disconnect the hose – press the hose release button (2).

6.5 Connecting the Water Supply

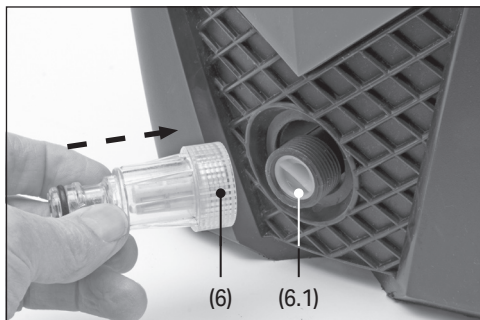


Fig. 11

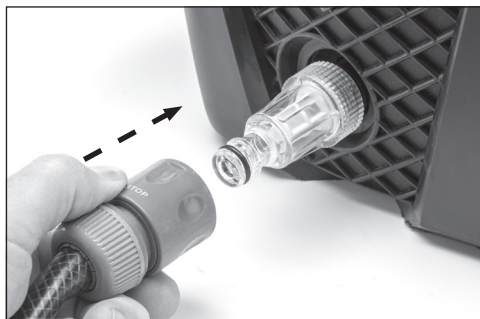


Fig. 12

- Screw the supplied water inlet adaptor (6) onto the water inlet connection (6.1) taking care not to cross the threads.
- Connect the pressure washer to the water supply, using a push fit hose connector (not supplied). Ensure the connector is correctly fitted to the hose and that a 'click' is heard when attaching to the machine.

Note:

- The supply must be between 1.5bar and 6.0bar and 5.5 litres/min.
- Max. water temp: 50°C.
- Always observe local bylaws and regulations.

6.6 Detergent Bottle

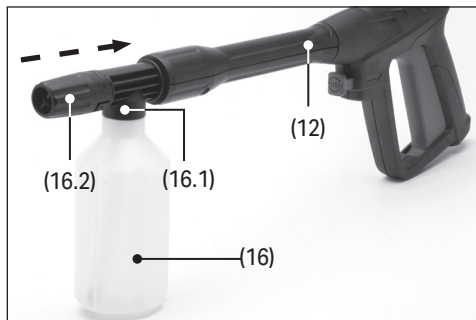


Fig. 13

- Remove the bottle spray nozzle cap (16.1) from the detergent bottle (16) and fill the bottle with a suitable detergent. Follow the manufacturer's recommended instructions.
- Re-fit the bottle spray nozzle assembly back onto the bottle.
- Then connect the bayonet fitting of the bottle spray nozzle onto the trigger assembly section (12), by pushing in the bayonet fitting and turning anti-clockwise to lock in place.
 - The detergent concentration can be adjusted by turning the flow regulator (16.2) located on the end of the nozzle.

6. Assembly

6.7 Turbo Nozzle

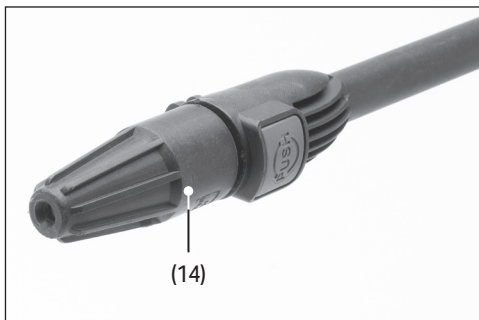


Fig. 14

- The turbo nozzle (14) combines the power of a narrow high impact stream and the efficiency of a 25° fan pattern. This swirls the water stream into a cone shape to clean a larger area.



WARNING! Since a turbo nozzle uses a narrow high impact stream, only use it in applications where the cleaning surface cannot be damaged by narrow high impact spraying.

Note: The turbo nozzle is not adjustable and cannot be used to apply detergent.

7. Operating Instructions

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

7.1 Total Stop Device



This pressure washer is fitted with an 'Auto Control Total Stop Device'. The pump motor starts and stops only when the trigger is activated, instead of running continuously.

This device reduces the amount of water and electricity used and reduces the wear and tear on the machine's components. It also helps to cut down on the amount of noise emitted during use.

7.2 Switching On

Note:

- **DO NOT** run the motor 'DRY', and ensure the washer is switched "OFF" before plugging in.
- This pressure washer is designed to be used in the upright position **only**.

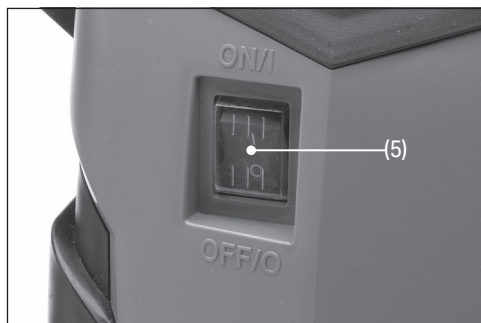


Fig. 15

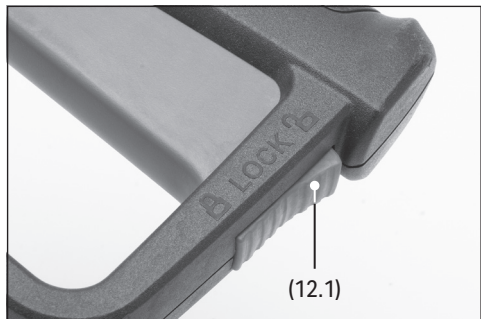


Fig. 16

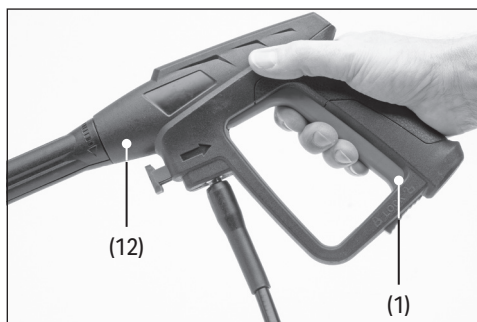


Fig. 17

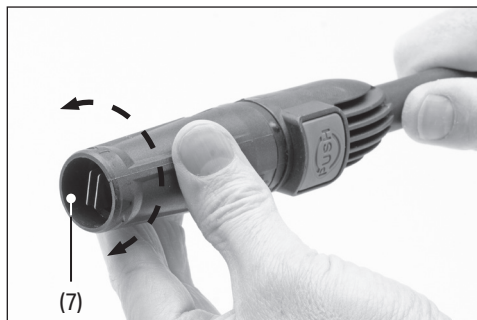


Fig. 18

To operate the pressure washer correctly carry out the following steps:

1. Ensure the power supply 'ON/OFF' switch (5) is set to the 'O' / 'OFF' position.
2. Connect the pressure washer to the electricity supply outlet.
3. Connect and turn on the water supply.
Note: the trigger assembly section contains a safety locking button (12.1) to prevent accidental operation.
4. Pull the trigger (1) to bleed the air out of the system.
5. While the trigger is pulled move the power supply 'ON/OFF' switch (5) to the 'I' / 'ON' position.
6. When the air is purged release the trigger.
7. The washer is now ready for use.
8. To achieve the desired spray pattern, rotate the spray nozzle (7).

8. Maintenance and Troubleshooting

WARNING! The machine must be switched off and unplugged from the power socket before carrying out any cleaning, maintenance or when fitting or removing parts or accessories.

If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.

8.1 General Maintenance

- **After use:**
 - Switch off and unplug the pressure washer.
 - Turn off the water supply.
 - Pull the trigger to release the pressure and drain the water.
 - Disconnect the hose connection.
 - Disassemble the lance, trigger and hose from the machine.
 - Drain all remaining water and store away safely.
- Store in a dry, clean location out of the reach of children.
- **DO NOT** store this pressure washer and accessories at, or below 0°C. Frozen water inside the machine can cause critical damage to pump and other components.

8.2 Using the Cleaning Pin

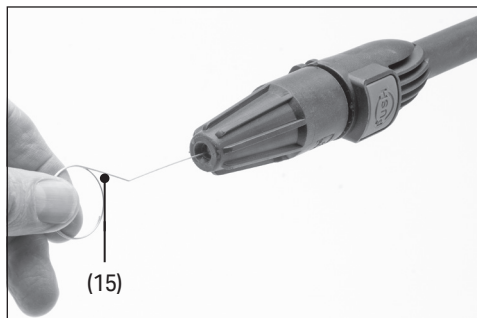


Fig. 19

- Use the cleaning pin (15) supplied to remove debris and foreign matter from the nozzles.
- Note: the cleaning pin is supplied attached to the back of the instruction manual.

8.3 Bleeding air from the System

To bleed any air from the pressure washer system follow the procedure detailed below:

1. Connect water to water inlet and turn on water.
2. With water outlet pointed in a safe direction turn on the pressure washer.
3. Allow to run for 20 - 30 seconds and then connect the high-pressure hose (refer to section 6.4).
4. Operate lance trigger to purge any air from inside the lance.
5. Pressure washer system is now bled of air.

8.4 Troubleshooting

Problem	Possible Cause	Remedy
Motor pulsing.	Air in the system.	Bleed the air from the system - Refer to Section 8.3.
Pump fails to start.	Plug fuse blown.	Replace fuse.
	Power supply cord damaged	Have the cord replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.
Pump stop/start with the trigger operation.	Correct operation of the 'Total Stop Device'	No action required.
Poor spray pattern.	Nozzle blocked.	Use cleaning pin to clean nozzle – refer to Section 8.2.
Poor or low pressure.	Water leaks.	Check and tighten all the connections.

9. Spares, Returns and Disposal

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.

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; most local authorities provide appropriate recycling facilities.



10. Warranty

24 months from date of purchase – Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for full details

However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

Contact Details

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