

**WORK
EXPERT**

1600W ELECTRIC HIGH PRESSURE WASHER INSTRUCTION MANUAL



After Sales Support

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www.geargearonline.co.uk

Product Code: G2394

Thank you for purchasing this product, which has been made to demanding high quality standards and is guaranteed for domestic use against manufacturing faults for a period of 24 months from date of purchase.

**For correct usage, read these instructions carefully and keep in
a safe place for future reference**



INTRODUCTION

Congratulations

You have made an excellent choice with the purchase of this quality Work Expert product.

By doing so you now have the assurance and peace of mind which comes from purchasing a product that has been manufactured to the highest standards, performance and safety.

We want you to be completely satisfied with your purchase so this Work Expert product is backed by our full 24 month manufacturer's guarantee and an outstanding after sales service through our dedicated Helpline.

We hope you enjoy using your purchase for many years to come.

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General information and safety warnings

- Use the appliance for its intended use only.
- Never touch the power switch, plug or other electrical parts of the pressure washer with wet hands.
- Thoroughly dry hands before turning off or disconnecting from the power supply.
- Keep the power cable off the ground and away from the working area during operation.
- Keep the body of the pressure washer behind you during operation and change location so as to avoid water contact during use.
- The appliance is intended for domestic use only not for commercial purposes.
- In order to protect against the risk of electric shock, do not immerse any part of the body of the pressure cleaner into water.
- Ensure the voltage on the rating plate matches the mains power supply. To avoid a circuit overload, do not operate another high wattage appliance in the same circuit.
- Never pull the power cord to disconnect from outlet always hold the plug and pull to disconnect.
- During use, do not lift the appliance by power cord or hoses.
- Always disconnect the plug of the appliance from electrical outlet when emptying and when not in use.
- Do not operate the appliance with a damaged cord or if the appliance has been dropped or damaged, it must be taken to a qualified technician for examination and repair. Incorrect re-assembly can cause a risk of electric shock when the pressure cleaner is used.
- Keep the pressure washer and its cord out of reach of children less than 8 years of age at all times.
- During use, always position the pressure washer on a stable, level and horizontal surface.
- Place the pressure cleaner in a position where the power cord does not obstruct use.
- Do not allow power cord or water supply hose to become entangled or trapped.
- Beware of flying debris.
- The pressure washer must not be left unattended while it is connected to the supply mains.
- The pressure washer is not to be used if it has been dropped, if there are visible signs of damage or if it is leaking.
- Always make sure the water tank is emptied after use especially to avoid freezing.
- Ensure that bystanders especially children are kept at a safe distance from the working area.
- Use personal protection equipment wear eye protection and non-skid safety shoes or preferably wellingtons and hearing protection in appropriate conditions this will reduce the possibility of personal injuries.
- Never wear loose clothing shorts or jewellery whilst using the pressure cleaner.
- Never use the pressure cleaner whilst standing on a ladder.
- Do not over reach. Always keep a firm footing and maintain your balance during operation, always distribute the weight evenly on your body and reduce the possibility of strain.
- Keep a diligent eye on what you are working and also on the ground where you are moving around to prevent tripping over. Take regular breaks and remove and debris before recommencing.
- Do not use if the switch fails to turn it on and off.
- Do not use the pressure washer while you are tired or under the influence of drugs alcohol or

medication.

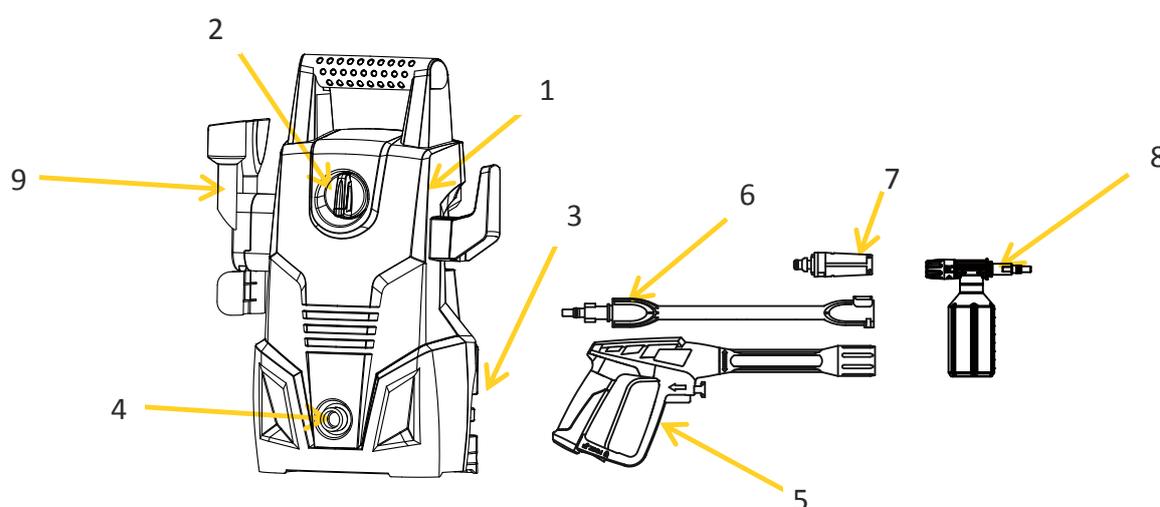
- Only use the pressure washer and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed.
- Before each use, check the cable and plug for signs of damage. If there is any visible damaged, do not use it or try to repair it, instead take it to your local qualified specialist.
- Do not modify the pressure washer's parts or components only use those fitted. If replacements parts are required or go to a specialist supplier.
- Always hold the pressure washer gun and wand firmly when turning on and during use to avoid kickback due to the high pressure of the water.
- The pressure washer is only designed to use cold water, do not use hot water.
- Never attempt to modify or alter factory settings or any part of the pressure washer.
- Always engage the trigger safety latch in the safe position even when spraying is stopped for a moment.

Safety symbols and their meaning

Symbol	Meaning
	Please read the instructions carefully before starting the machine.
	Wear ear protection.
	Wear eye protection.
	Wear waterproof heavy duty gloves.
	To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.
	Beware of thrown or flying objects. Keep all bystanders, especially children and pets, at least 15m away from the operating area.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Description of Parts

1. Main unit
2. On/Off switch
3. Water inlet (at the rear of the cleaner)
4. Water outlet
5. Spray gun
6. Lance
7. Nozzle
8. Detergent container
9. Power cable
10. High pressure hose (not shown)



Note: The motor on this pressure washer does not run continuously. It only runs when the trigger of the spray gun is squeezed. After following the startup procedures in this manual, turn the pressure washer ON and squeeze the trigger for activation, see usage instruction section in this manual for further details. Always follow detergent manufacturer's label recommendations for proper use of detergents. Always protect eyes, skin, and respiratory system from detergent use.

Assembly

1. Attach the high pressure hose to the pressure water outlet on the front of the pressure washer.
2. Attach the spray handle to the high pressure hose.
3. Prior to operating the machine please ensure that the high pressure hose has been completely uncoiled. Whilst the pressure washer is in use the hose should not loop.
4. Mount the nozzle, lance or any other equipment you want to use.
5. Connect the machine to the water and power supplies.

WARNING The pressure washer is not supposed to pump hot water. **NEVER** connect it to a hot water supply as it will significantly reduce the life of the pump.

WARNING! This machine has been designed for use with the cleaning detergents designed for use in pressure cleaners. The use of other cleaning agents or chemicals may adversely affect the safety of the machine.

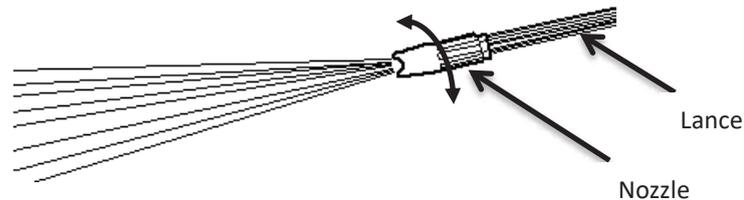
WARNING! In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must be used with a Residual current Device (RCD) within the circuit.

Always release the trigger when changing from high to low pressure modes. Failure to do so could result in damage.

Adjusting the width of the spray

The angle of spray coming out of the lance may be adjusted on by rotating the nozzle. This will vary the spray pattern from approximately a 0° narrow high impact stream to a 60° wide fan spray. See below.

A wide fan pattern will distribute the impact of the water over a larger area, resulting in excellent cleaning action with a reduced risk of surface damage ideal for large surface areas



A narrow stream has high impact force on the cleaning surface and results in maximum deep cleaning in a concentrated area. However, this narrow high impact spray must be used cautiously, as it may damage some surfaces.



Usage

Detergents

The use of detergents can reduce cleaning time and assist in the removal of difficult stains. Some detergents have been designed specifically for pressure washers. These detergents are approximately as thick as water. The use of thicker detergents, the consistency of washing up liquid and shampoo, will clog the chemical injection system and prevent the application of the detergent.

Spraying/cleaning techniques

The cleaning power of detergents comes from applying them to a surface and giving the chemicals time to break down the dirt and grime. Detergents work best when applied at low pressure.

The combination of chemical action and high pressure rinsing is very effective.

On vertical surfaces, apply the detergent starting at the bottom and work your way upward. This will prevent the detergent from sliding down and causing streaks.

High pressure rinsing should also progress from the bottom to top. On particularly tough stains, it may be necessary to use a brush in combination with detergents and high pressure rinsing.

The following cleaning procedure will help you to organize your cleaning task, ensuring that you achieve the most beneficial results in the shortest amount of time.

Remember to use the spraying/cleaning techniques as above.

1. Surface preparation

Protecting all garden furniture and make sure that all windows and doors are closed tight before use of the pressure washer. In addition, you should make sure that all plants in the cleaning area are protected by covering with a plastic sheet.

2. Initial High Pressure Rinse

The next step is to spray the cleaning surface with water to clear off any dirt or grime that may have collected on the surface. This will allow your detergent to attack the deep down dirt that has worked its way into the surface. Before commencing, adjust the nozzle to a wide fan pattern and slowly adjust to the desired spray

pattern. This will help you avoid applying too much concentrated spray to the surface that may cause damage.

3. Detergent Application

NOTE: Use only detergents formulated for pressure washers. Test detergent in an inconspicuous area before use.

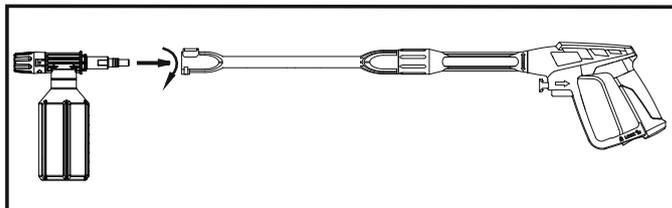
NOTE: Detergent will only be released when the gun is set to low pressure.



Detergent application

Follow manufacturer's label directions for mixing correct concentrations of detergent to water ratio through the pressure washer setting is approximately 5.4% (1 to 19).

1. Unscrew to top of detergent applicator and fill applicator with detergent.
2. Replace top on applicator.
3. Remove the lance from gun if preferred.
4. Attach detergent applicator to gun and set the gun to low pressure see below.



5. Apply detergent so it thoroughly covers cleaning surface. Apply from bottom to top to prevent detergent from sliding down and streaking.
6. Allow detergent to remain on the surface for a few minutes. This is a good time to use a brush to lightly scrub heavily soiled areas.
Never allow detergent to dry on the cleaning surface.
7. Remove detergent applicator from gun and replace with the lance, or remove applicator from end of lance.
8. Rinse detergent from surface.

NOTE: Flush detergent applicator with clear water following each use.

4. Final Rinse

Start final rinse at bottom and work upward. Make sure you thoroughly rinse the surface and that all detergent has been removed.

5. Turning Off

1. Be sure all detergent is flushed from system.
2. Turn off motor.

3. Turn off water supply.
4. After motor and water supply are turned off press the trigger of the gun to depressurize system.

CAUTION: NEVER turn water supply off before turning motor off. Serious damage could occur to the pump and or motor.

WARNING! NEVER disconnect high pressure discharge hose from machine while system is pressurized. To depressurize, turn motor off, turn water supply off and squeeze the gun trigger 2-3 times.

5. After each use, wipe all surfaces of the pressure washer with a clean, damp cloth.

6. Storage

Do not store the pressure washer outdoors.

Do not store pressure washer where it might freeze.

Tips for extending the life of your pressure washer

- Never operate unit without water.
- Pressure washers are not meant to pump hot water. Never connect to a hot water supply this will significantly reduce life of the pump.
- Using non branded detergent may cause damage to pump components and O-rings. This also applies to chemicals such as bleach shampoo and soap, etc.
- Never operate unit for more than one minute without spraying water. Resulting heat buildup will damage the pump.
- Before adjusting nozzle's pressure (high-to-low or low-to-high) release the trigger. Failure to do so will reduce life of the O-rings in the lance.

Nozzle cleaning instruction

A clogged or partially clogged nozzle can cause a significant reduction of water coming out of the nozzle and cause the unit to pulsate while spraying.

To clean out the nozzle:

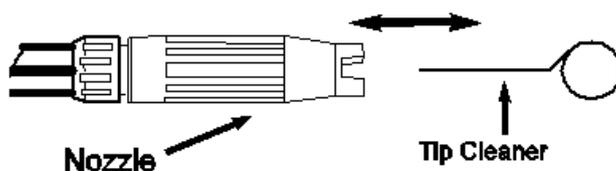
Turn off and unplug unit.

Turn off water supply. Relieve any pressure trapped in the hose by squeezing trigger 2-3 times.

Separate lance from gun.

Rotate nozzle to the narrow stream setting. This opens up the fan blades.

Using included tip cleaner, or an unfolded paper clip, insert wire into the nozzle hole and move back and forth until debris is dislodged see below.



Remove additional debris by back-flushing water through the nozzle. To do this, place end of a garden hose with water running to the end of the nozzle for 30-60 seconds.

Cleaning angle

When spraying water against a surface, maximum impact is generated when the water strikes the surface head on. However, this type of impact tends to cause dirt particles to imbed in the surface, thereby preventing the desired cleaning action. The optimum angle for spraying water against a cleaning surface is 45 degrees. Spraying water against a surface at this angle provides for the most beneficial impact force combined with efficient removal of debris from the surface see below.



Troubleshooting

Problem	Possible cause	Possible solution
No detergent getting through	Lance or other detachable components clogged	Rinse all parts in warm water and clean the nozzle with tip cleaner as described above
No detergent getting through	Lance nozzle is not at low pressure	Rotate to set at low pressure
	Pressure is too low hoses too long or water source power not high enough.	Shorten hose length or increase water pressure.
	Injector clogged on pump.	Seek qualified support
Pressure washer does not start up	Unit is pressurized	Squeeze trigger on gun
	Plug is not connected or electric supply has a fault	Check plug, socket and fuse
	Power supply or extension cable at fault	Check rating matches requirement of pressure washer
	Thermal safety switch has tripped due to overheating	Switch off and allow the pressure washer to cool down for 10 minutes and try again
Pump does not reach required pressure	Water inlet filter is clogged	Clean water inlet filter
	The extension lead could be too long causing a drop in power	Change the extension lead for a shorter one
	Pump is sucking air in from the hose or connections	Check all connections and hose for loose fittings openings and rectify
	Nozzle is worn or not the correct size	Seek qualified support
	Pump parts are clogged or worn	Seek qualified support
Fluctuating pressure	Pump is sucking air in from the hose or connections	Check all connections and hose for loose fittings openings and rectify
	Clogged nozzle	Rinse all parts in warm water and

		clean the nozzle with tip cleaner as described above
	Valves dirty worn or seized	Seek qualified support
	Water seals worn	Seek qualified support
Motor suddenly stops	The extension lead could be too long causing cut out	Change the extension lead for a shorter one
	Thermal safety switch has tripped due to overheating	Switch off and allow the pressure washer to cool down for 10 minutes and try again
	Power supply or extension cable at fault	Check rating matches requirement of pressure washer

Care and maintenance

Check the pressure washer thoroughly after every use and before every use, any identified damage should be rectified make sure to inspect all filters and the nozzle, make sure there are no impurities or debris if there is clean as described above. Make sure there is no water in the pump or the hoses.

Wipe all external parts with a damp cloth using warm soapy water and dry thoroughly before storing in a cool dry place.

Technical Data

Item	G2394
Working pressure	9MPa(90 bar)
Allowable pressure	13.5MPa(135 bar)
Working flow rate	5.5 l/min
Max. flow rate	6.8 l/min
Max. pressure water supply	0.4MPa(4 bar)
Motor Capacity	1600W
Power Supply Voltage	220-240V~50Hz
Max. Water Temperature	50°C

Plug Wiring

These safety instructions should be read carefully and kept in safe place for future reference.

This appliance is fitted with a plug that complies with BS 1363. Only high quality 13A (square pin) plugs that comply with this standard should be fitted.

Wires are coloured as follows:

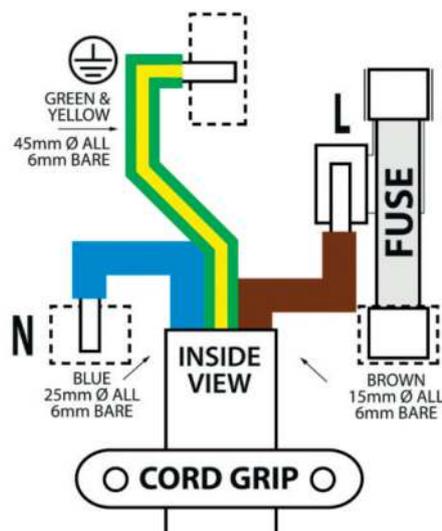
Brown – Live

Blue – Neutral

Yellow & Green – Earth

If the appliance is fitted with a 2-core cable it is double insulated and will not have the yellow and green earth wire.

IT IS ESSENTIAL THAT WIRES ARE ATTACHED ONLY TO THEIR DESIGNATED POSITIONS IN THE PLUG



Fuses must be replaced with the same rating as the original; please refer to the fuse rating stated on the plug for this information. Only genuine fuses compliant with BS 1362 should be used.

Declaration of Conformity

In accordance with EN ISO 17050-1:2010

We Branded Garden Products Ltd
of Poplar Lane, Ipswich, Suffolk, IP8 3BU, UK

in accordance to the following Directives:

Electromagnetic Compatibility Regulations 2016;
Electrical Equipment(Safety) Regulations 2016;
Machinery (Safety) Regulations S.I. 2008/1597 (as amended);
Electromagnetic Compatibility Regulations S.I 2016/1091 (as amended);
Noise Emission in the Environment Regulations S.I. 2001/1701 (as amended);
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations S.I. 2012/3032 (as amended);

2014/35/EU Low Voltage Directive
2014/30/EU The Electromagnetic Compatibility Directive
2006/42/EC The Machinery Directive
2000/14/EC The Noise Emission in the Environment by Equipment for Use Outdoors Directive
2015/863/EU & Amending Annex II 2011/65/EU Restriction of Hazardous Substances Directive
1907/2006 Annex XVII & SVHC
2012/19/EU Waste Electrical and Electronic Equipment Directive
94/62/EC Packaging and Packaging Waste
850/2004/EC Amended by EU No. 757/2010 & EU 756/2010 Persistent Organic Pollutants

hereby declare that:

Equipment	Pressure Washer
Model number	G2394 / ABW-VAT-90P(A)

is in conformity with the applicable requirements of the following documents

Ref. No.

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019, EN 60335-2-79:2012;
EN 62233:2008, EN 55014-1:2006+A1:2009 + A2:2011, EN 61000-3-2:2014, EN 61000-3-3:2013,
EN 55014-2:2015

Noise measurements have been made in accordance with EN ISO11680-1 with internal control of production (Schedule 8 / Annex V). The declared noise values are as follows:

Measured sound power level	Guaranteed sound power level
79 dB LpA	97 dB Lwa

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications and is in accordance with the requirements of the

Directives.
Signed by:



Mr Dan Price
Managing Director
BVG Group Ltd
April 2021



The technical documentation for the machinery is available from:

Poplar Lane, Ipswich, Suffolk, IP8 3BU

**GUARANTEE
IMPORTANT**

**Please do not return this product without first calling
the Customer Service number below:
0871 911 7031**

Thank you for purchasing this product, which has been made to demanding high quality standards and is guaranteed for domestic use against manufacturing faults for a period of 24 months from the date of purchase.

This guarantee does not affect your statutory rights. If your product fails due to a defect in material or workmanship during this period, please return it to the place of purchase. Normal wear and tear is not covered under the guarantee.

Any guarantee is invalid if the product has been misused or subject to neglect or an attempted repair other than by our own service centre.

Due to continuous product improvement, we reserve the right to change the product specification without prior notice.

After Sales Customer Service:

Customer Service Department, Branded Garden Products Ltd, Premier House,
Hortonwood 7, Telford, TF1 7GP

Telephone: 0871 911 7031

E-mail customerservice@gardengearonline.co.uk

Please retain for future reference.

Colours and contents may vary.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

Please note that all products with the symbol below must be recycled.



*Calls cost 13p per minute plus your phone company's access charge