**WARNING!**

**Read this Operator's Manual carefully before using this machine. Failure to understand and follow the contents of this manual may result in electrical shock, fire and/or serious personal injury.**

**READ CAREFULLY**

ENGLISH VERSION

CE

JETWAVE®

HIGH PRESSURE CLEANERS

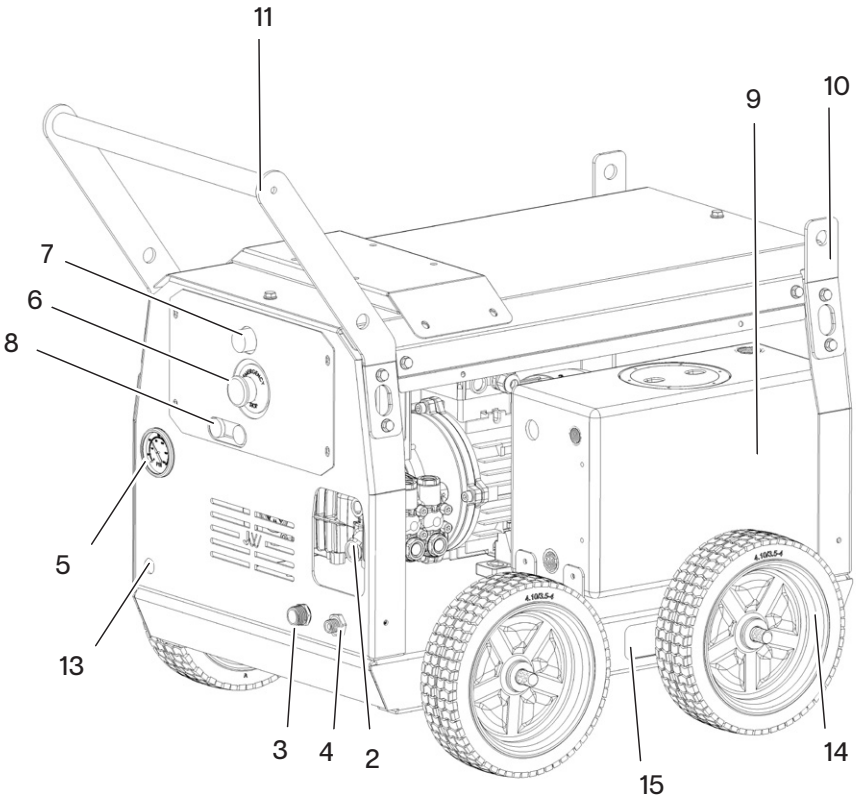
# CADET™ G2

## HIGH PRESSURE WATER CLEANER

COLD WATER ELECTRIC POWERED

| **Record Serial Number below and retain product serial number which is located on nameplate.** | |
|---|---|
| UNIT SERIAL NO. | |
| ENGINE SERIAL NO. | |
| PURCHASE DATE | |

V3.0 - 2025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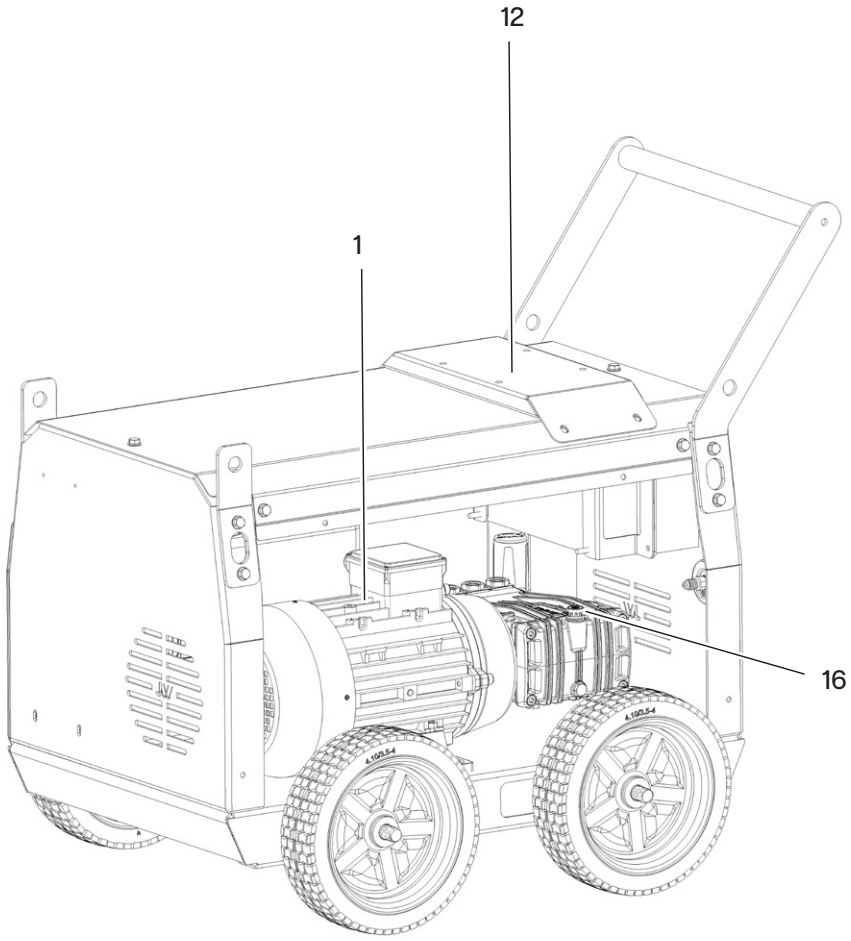
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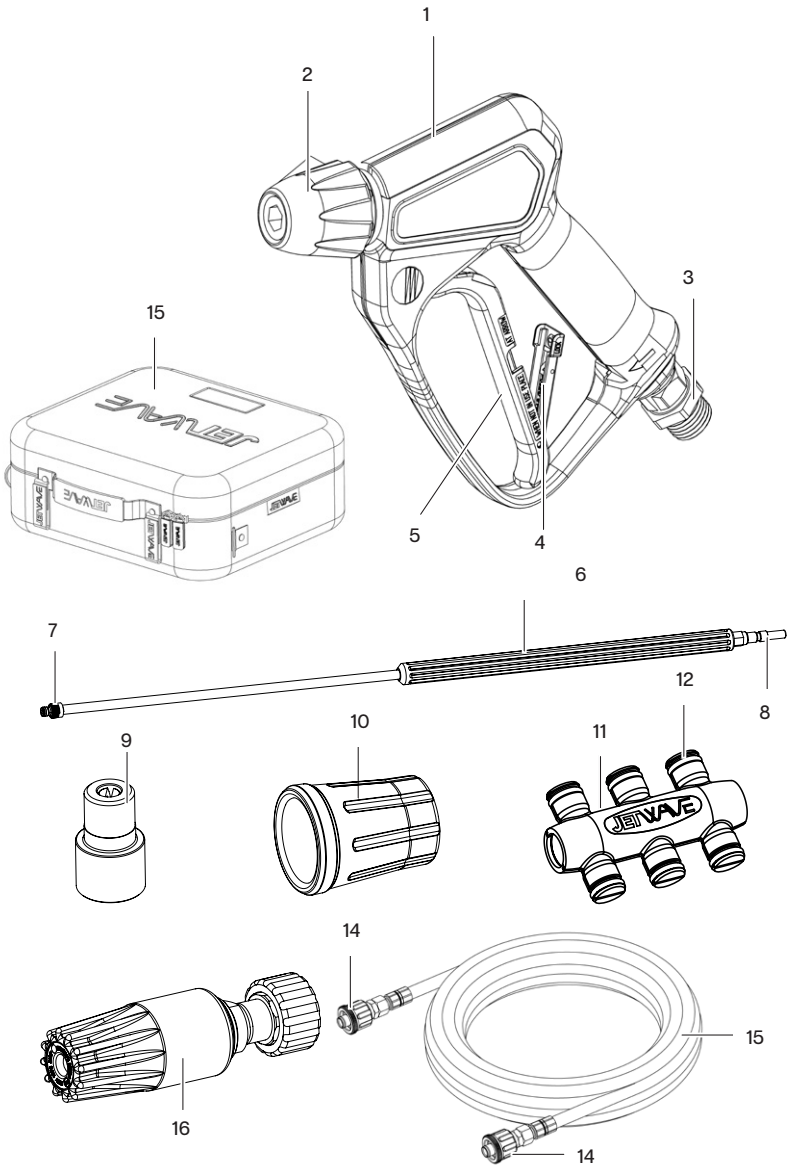
16

## Cadet G2

1. Electric Motor
2. Unloader Valve
3. High Pressure Outlet (connection to hose coupling)
4. Low Pressure Inlet (for tap connection)
5. Pressure Gauge
6. Emergency Stop
7. Reset Button
8. On/Off Buttons
9. Onboard water tank
10. Top Lift Points
11. Trolley Kit Handle
12. Hose Reel Mounting Plate
13. Cord Outlet
14. Foam filled wheels
15. Forklift Pockets
16. Pump Dipstick




## Standard Equipment

1. J5500K High Pressure Spray Gun
2. J5500K Quick Front Lance Coupling
3. High Pressure Hose Connection
4. Gun Lock Out
5. J5500K LTF Spray Gun Trigger
6. JW Lance with insulation
7. JetBlade Screw Fitting
8. Lance Connection Tail
9. JetBlade High Pressure Nozzle
10. Nozzle Protector
11. JetBlade Plastic Nozzle Holder
12. Spare O-Rings
13. High Pressure Hose Assembly
14. M22 Screw fittings
15. G2 Wash Case Storage
16. Optional Turbo Nozzle

*Original Instructions - English

**Safety Symbols**

In this operator's manual and on the product, safety symbols and signal words are used to communicate important safety information. This section is provided to improve understanding of these signal words and symbols.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.
**WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.
**CAUTION** indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
**NOTICE** indicates information that relates to the protection NOTICE of property.

This symbol means read the operator's manual carefully before using the equipment to reduce the risk of injury. The operator's manual contains important information on the safe and proper operation of the equipment

This symbol means according to applicable regulations the machine must not be connected to a drinking/potable water supply without a system separator per EN 12729 Type BA. Water flowing through a system separator is considered non drinkable

This symbol indicates that high pressure jets can be dangerous if improperly used the jet must not be directed at persons animals, live electrical equipment or at the appliance itself.

This symbol indicates the risk of fire and explosion from gasoline or other sources causing burns and other injury.

This symbol indicates the risk of breathing carbon monoxide and causing nausea, fainting or death. Risk of poisoning do not breathe in exhaust fumes.

This symbol indicates the risk of loud noises from the machine, causing a risk to hearing impairment, always use proper ear protection, while working with the machine.

This symbol means always wear safety glasses with side shields or goggles when handling or using this equipment to reduce the risk of eye injury.

This symbol indicates the risk of high pressure water directed at body parts, causing skin puncture and injection injuries.

These symbols indicate a risk of burns and hot surfaces, be aware of hot components.

# General Safety Rules

**⚠ WARNING**

**Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.**

**SAVE THESE INSTRUCTIONS!**

## Work Area Safety

- Keep work area clean and well lit.
- Keep bystanders, children, and visitors away while operating a pressure cleaner. Distractions can cause you to lose control.

## Personal Safety

- Stay alert, watch what you are doing and use common sense when operating a pressure cleaner. Do not use a pressure cleaner while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating pressure cleaners may result in serious personal injury.
- Dress properly. Do not wear loose clothing or jewelry.
- Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the pressure cleaner in unexpected situations.
- Use safety equipment. Always wear eye protection.
- Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions will reduce personal injuries.

## Pressure Cleaner Use and Care

- Do not force the pressure cleaner.
- Store idle pressure cleaners out of the reach of children and other untrained persons. Pressure cleaners are dangerous in the hands of untrained users.
- Maintain pressure cleaners with care.
- Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the pressure cleaners operation. If damaged, have the pressure cleaner serviced before using. Many accidents are caused by poorly maintained pressure cleaners.

Use only accessories that are recommended by the manufacturer for your model and pressure & flow rated accordingly.

## Service

- Pressure cleaner service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a pressure cleaner, use only genuine replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electrical shock or injury.

# High Pressure Cleaning Safety

**⚠ WARNING**

**This section contains important safety information that is specific to this pressure cleaner.**

**Read these precautions carefully before using this drain Cleaning Machine to re duce the risk of electrical shock or other serious injury.**

**SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE!**

Keep this manual with machine for use by the operator.

- Never operate the unit without a pressure control mechanism Hoses can whip, causing striking injuries and spray can penetrate skin and cause serious injury.
- High pressure water can inject under skin resulting in serious injury including amputation. Do not direct spray at people or animals.
- Do not operate unit above the rated working pressure or 60°C (inlet water temperature). This increases the risk of injury, including burns, and damage to the unit.
- One person must control the high pressure cleaning process and water flow.
- Always use appropriate personal protective equipment while handling and using high pressure cleaning equipment. Appropriate personal protective equipment (PPE) includes safety glasses and gloves, and may also include equipment such as latex or rubber gloves, face shields, goggles, protective clothing, respirators, head protection, hearing protection and steel toed footwear.
- Practice good hygiene. Use hot soapy water to wash hands and other body parts exposed to drain contents after handling or using drain cleaning equipment.
- Do not eat or smoke while operating or handling high pressure cleaning equipment. This will help prevent contamination with toxic or infectious material.

- Do not spray toxic or flammable liquids. This will reduce the risk of burns, fire, explosion or other injury.
- Gasoline and its vapors are highly flammable and explosive. See engine manual for precautions to reduce the risk of burns, explosions and serious injury while handling and using gasoline.
- Engines produce carbon monoxide, a colorless, odorless poison gas. Breathing carbon monoxide can cause nausea, fainting or death. Do not start and run engine in an enclosed area, even if doors and windows are open. Only operate outside.
- Never attempt to refuel the unit whilst engine is running. Do not spill fuel on or near exhaust take extra care in the refueling process as vapors or liquid can combust due to heat.
- Hot surfaces can cause burns and fire. Keep body parts and flammable material away from hot surfaces.
- Read and understand this manual, the engine manual and the warnings and instructions for all equipment and material being used with this tool before operating. Failure to follow all warnings and instructions may result in property damage and/or serious injury.
- Follow all applicable workplace health and safety regulations and guidelines concerning the use of this equipment.
- Read and understand Australia/New Zealand standard AS/NZS4233.1:13 High Pressure Water Jetting Systems Part 1: Safe Operation & Maintenance.

If you have any question concerning this Jetwave® product:

– Contact your local Jetwave® distributor.

– Visit jetwave.com.au/find-a-dealer to find your local Jetwave contact point.

## Description, Specifications and Standard equipment

### Description

The Jetwave® Cadet™ G2 electric motor powered High Pressure Cleaner machine is a portable unit designed to use a combination of water pressure and flow to clean different surfaces from dirt, grease, & grime. Water is pumped through the high pressure plunger pump at increased pressure and flow allowing water to be used at such high pressure to remove dirt and grime from surfaces. The Cadet™ G2 High Pressure Cleaner is equipped with an electric motor to drive the triplex plunger pump.

**Figure.1 - Cadet G2 Cold Water Petrol High Pressure Cleaner**

JETWAVE GROUP

IPX5

| | |
|---|---|
| **Model** | Hornet™ G2D 280-13 |
| **Motor** | KOHLER™ KD15-440 |
| **Power** | 10.1HP / 7.4kW |
| **Max Pressure (P)** | 280 BAR / 4060 PSI / 28 MPa |
| **Max Flow Rate (Q)** | 13 L/PM / 3.5 GPM |
| **Max Inlet Temperature (T)** | 50°C / 122°F |
| **Pump** | JW UDOR™ Triplex Plunger |
| **Pump RPM** | 1450 RPM |
| **Inlet Pressure Min / Max** | 4-10 BAR / 58-145 PSI / 0.4-1 MPa |
| **Nozzle Size** | 035 |
| **Weight** | 102 KG / 224 lbs |
| **Manufacture Year** | 2023 |

Jetwave Group Pty Ltd
10-16 Smith Street, Thebarton 5031 SA Australia

MADE IN AUSTRALIA



**Figure.2 - Data Plate Example**

## Standard equipment

A Jetwave Cadet™ G2 High Pressure Cleaner comes with:

- High Pressure JW Gun
- Straight single JW Lance
- 15m of DWB 3/8" high pressure hose
- JW Easy Foamer
- Operator's Manual
- Trolley Kit
- (Optional) Hose Reel

See the Jetwave® catalog for specific equipment supplied with each catalog number.

The machine serial number is located on the frame. The first 4 digits indicate the year and month of manufacture respectively.

NOTICE This machine is made high pressure water clean. If properly used it should not damage a surfaces that is in good condition and properly designed, constructed and maintained. If the surface is in poor condition or not properly designed, constructed or maintained, the water cleaning process may not be effective or could cause damage to the surface. The best way to determine the condition of a surface before cleaning is through visual inspection.

Improper use of this pressure cleaner can damage the unit and the surface. This machine may not clear all substrate debris.

## Machine Assembly

**⚠ WARNING**

**To prevent serious injury during use and prevent machine damage, follow these procedures for proper assembly.**

### Pump/Gearbox Oil

The unit is shipped with oil in the pump and gearbox. Check oil level (ensure half way on sight-glasses) per Maintenance section.

### Wheels

Typically the unit is boxed and shipped with wheels assembled. Wheels, Axles & Locking Collar are found within the box. To assemble the wheels, slide axles through axle location hole, slide wheels on each side find centerline and proceed to install locking collar each side with 4mm allen key tool. (if applicable)

## Pre-Operation Inspection

**⚠ WARNING**

**Before each use, inspect your pressure cleaner and correct any problems to reduce the risk of serious injury from high pressure water and other causes and prevent unit damage.**
**Always wear appropriate safety equipment, when inspecting your unit.**

1. Make sure that the battery isolator (if applicable) and engine switch is in the OFF position.

2. Clean any oil, grease or dirt from the equipment, including the handles and controls. This aids inspection and helps prevent the machine or control from slipping from your grip.

3. Inspect the high pressure cleaner and accessories for the following:
   - Proper assembly and completeness.
   - Broken, worn, missing, misaligned, binding or loose parts.
   - Any other condition which may prevent the safe and normal operation.

If any problems are found, do not use the unit until the problems are corrected.

Clean water filter (Figure 3). Unscrew the brass cover from bottom of the filter and remove and clean the mesh filter. Dirt and debris can restrict the water flow to the pump and cause performance issues.

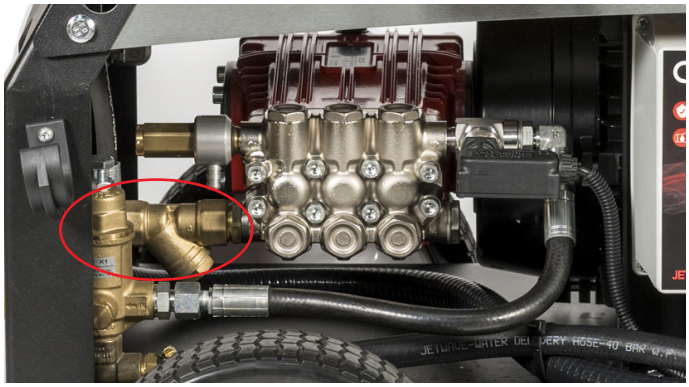


**Figure.3 - Cadet G2 Water Filter**

4. Inspect the pressure cleaner nozzle orifices for any damage or blockage. Blockages can be cleaned with a nozzle cleaning tool. Use care not to enlarge nozzle orifices while cleaning. Damaged nozzles or nozzles with enlarged orifices can decrease unit performance and should be replaced.

5. Inspect the hoses, connectors and fittings for wear and damage. If there are any kinks, cracks, breaks or wear through the outer jacket of the hose or other damage, do not use the hose. Damaged hoses can burst or leak high pressure water and cause serious injury. Replacement hoses and fitting should be rated at or higher than the unit pressure rating.

6. Check the oil level(s) in the pump and gear box through the sight glass and add oil if needed (see Maintenance Instructions section). Inspect Engine as directed in the engine operator's manual.

## Machine and Work Area Set-up


**Always wear safety glasses, gloves and other appropriate protective equipment when setting up your pressure cleaner. Rubber soled, non-slip shoes can help prevent slipping on wet surfaces.**
**Engines produce carbon monoxide, a colorless, odorless poison gas. Breathing carbon monoxide can cause nausea, fainting or death. Do not start and run engine in an enclosed area, even if doors and windows are open. Only operate outside.**

**Set-up the unit and work area according to these procedures to reduce the risk of injury from high pressure water, chemical burns, infections, carbon monoxide and other causes, and prevent unit damage.**

Check work area for:

- Adequate lighting.
- Flammable liquids, vapors or dust that may ignite. If present, do not work in area until sources have been identified and corrected. The machine is not explosion proof and can cause sparks.
- Clear, level, stable dry place for machine and operator.
- If needed, remove the water from the work area. Wood or other coverings may need to be put down.
- Suitable water supply. Clear path to transport the unit to the set up location.

7. Inspect the surface to be cleaned, and make sure no materials or elements are in the way of the unit.

8. Determine the correct equipment for the application.

9. Make sure all equipment has been properly inspected.

10. Evaluate the work area and determine if any barriers are needed to keep bystanders away. Bystanders can distract the operator. If working near traffic, erect cones, signs or other barriers to alert drivers.

11. Be aware of possible slip hazards. Wear appropriate footwear to help prevent slips.

## Water Supply

Run a hose from the water source to the unit water inlet. Use the largest diameter, shortest length hose possible. A 1/2" (13mm) I.D. Inlet hose is the minimum recommended size. An appropriate backflow prevention device should be used to comply with all local codes and ordinances.

Dirt and debris in the water supply can cause excess pump wear, clog the unit filter, nozzles and reduce performance.

Do not use water from ponds, lakes or other sources that may be contaminated.

Fill the water tank prior to starting the unit (If Applicable).

The tank is equipped with a: (If Applicable)

- Low water level shut-off (If Applicable) to prevent pump damage from insufficient water. This will shut OFF the engine when the tank water level falls below a predetermined level.
- Float valve to shut-off inlet water when the tank is full, preventing water spillage through the tank vent.

By removing tank lid, the tank can be inspected.

Warm water can be used for improved cleaning. Do not use water hotter than 60°C. When using warm water, use appropriate personal protective equipment to reduce the risk of burns.

When using in cold weather, use precautions to prevent water from freezing in the pump. This can damage the pump.

### Hose Set-Up

Use care when routing hoses. Routing hoses over rough surfaces, sharp edges, crossing hoses, etc. can damage the hose jacket. Keeping the unit hose on the reel(s) will help to minimize hose damage.

## Operating Instructions

**⚠ CAUTION**

**Always wear eye protection to protect your eyes against dirt and other foreign objects. Always wear appropriate personal protective equipment for the work environment.**

**Never operate the unit without the hose attached to a spray gun. Hose can whip, causing striking injuries and spray can penetrate skin and cause serious injury.**

**High pressure fluid can inject under skin resulting in serious injury, including amputation. do not direct spray at people or animals. do not operate unit above pressure rating or 60°C (inlet water temperature). This increases the risk of injury, including burns, and damage to the unit. One person must control the unit process and water flow.**

**Always use appropriate personal protective equipment while handling and using high pressure cleaning equipment. Appropriate personal protective equipment always includes safety glasses and gloves, and may also include equipment such as latex or rubber gloves, face shields, goggles, protective clothing, respirators, and steel toed footwear.**

**Follow operating instructions to reduce the risk of injury from whipping hoses, high pressure liquid injection, carbon monoxide and other causes.**

1. Make sure that machine and work area is properly set up and that the work area is free of bystanders and other distractions. If the unit is located remotely from the point of use, another person may be located at the unit.
2. Attach the gun to the high pressure hose via coupling system.
3. Attach the hose to the high pressure pump/valve outlet.
4. Confirm the Emergency stop (If Applicable) button is in the out position (rotate button clockwise).
5. Confirm that the water supply is attached and turned on to low pressure pump inlet. Never start the machine without the water supply turned ON. This can damage the pump.
6. Wash Wand Lock Out – the wash wand includes a lock out on the back of the trigger. Flip the lock out down to prevent the operation of the trigger when the wash wand is not in use.
7. Plug in power cord into a specified power outlet.

8. Once all pre-start checks are complete turn on the machine with the GREEN on button.
9. With the gun & wand pointed at the material to be cleaned you can now squeeze the gun trigger to start using the machine.
12. If needed, turn the unloader valve while monitoring the pressure gauge on the unloader valve to adjust the pressure as desired (If Applicable) (clockwise to increase pressure, counter-clockwise to decrease pressure). Do not exceed the machine pressure rating. Do not force the unloader valve or use wrenches or tools to turn. This will damage the unloader valve.
13. The electric machine features a DELAYED TIMER STOP, after a set amount of time the machine will automatically turn itself off to ensure no damage to the machine if left on for long period of time without use.
14. The BLUE RESET BUTTON resets the entire system if there is a fault.
15. Water tank is fitted to allow for pump to keep up with the flow of water and not let the water bypass back into the pump head when not in use.

This operating position will help to maintain control of the gun and lance.


**Figure.4 - Cadet G2 Control Box**

## Pressure Washer operation

1. When using the pressure washer use both hands to grip and direct the wash wand for greater control. Never direct the wash wand at people. High pressure fluid can inject under skin resulting in serious injury. Never direct wash wand at electrical equipment or wiring to reduce the risk of electrical shock.
2. Control the flow of water with the trigger. Use care when using the pressure washer. Holding the nozzle too close to a surface can damage it. Test a small, inconspicuous area to confirm the settings work as desired.

## Machine Shut Down Procedure

1. When high pressure cleaning task is complete, release high pressure trigger.
2. Return to the unit controls.
3. Press the RED OFF button on the control panel to turn the machine off.
4. Relase any line pressure by squeezing the gun trigger (If Appliacble) (NEVER LEAVE THE HIGH PRESSURE LINE CHARGED AS THIS IS DANGEROUS)
5. Turn water supply OFF.
6. Disconnect high and low pressure hoses and coil the assembly for safety and proper storage.
7. Unplug the power cord and coil for safe storage.


**Figure.5 - Cadet G2 In Use**

## Optional Hose Reel - Brake Adjustment

The optional hose reel is equipped with an adjustable brake to prevent the hose from over spooling off the reel under its own weight. Tightening wingnut increases the drag on the reel, loosening decreases the drag. Adjust as desired. (to resist hose over spooling off reel) (Figure 11).

**Figure.6 - Brake Adjustment**

## Transportation and Storage

1. Drain water from unit as needed.
2. Coil hoses and secure equipment appropriately. All loose material must be removed.
3. Unit weighs 1595 KGS (approx.) Use appropriate equipment and methods to load and transport.

## Maintenance Instructions

**⚠ WARNING**

**Before performing any maintenance, engine switch battery isolation switch should be in OFF position to prevent inadvertent operation. Open water control valve to release any fluid pressure in system.**

**Always wear safety glasses and gloves when performing any maintenance to help protect against drain chemicals and bacteria.**

## Cleaning

The hose should be cleaned as needed with hot, soapy water and/or disinfectants. Do not allow water to enter the engine or electrical system. Do not clean with pressure washer. Wipe the unit down with a damp cloth.

## Pump Lubrication/Maintenance

Check the pump oil level prior to each use. Place the unit on a level surface. Wipe any dirt and debris from the area of the dipstick and sight-glass. Oil level should be at the middle of the sight-glass (Figure 19). If needed, remove the dipstick and add SAE 15W-40 Mineral non-detergent oil, fill to half-way on the sight-glass. Do not overfill, reinstall dipstick.

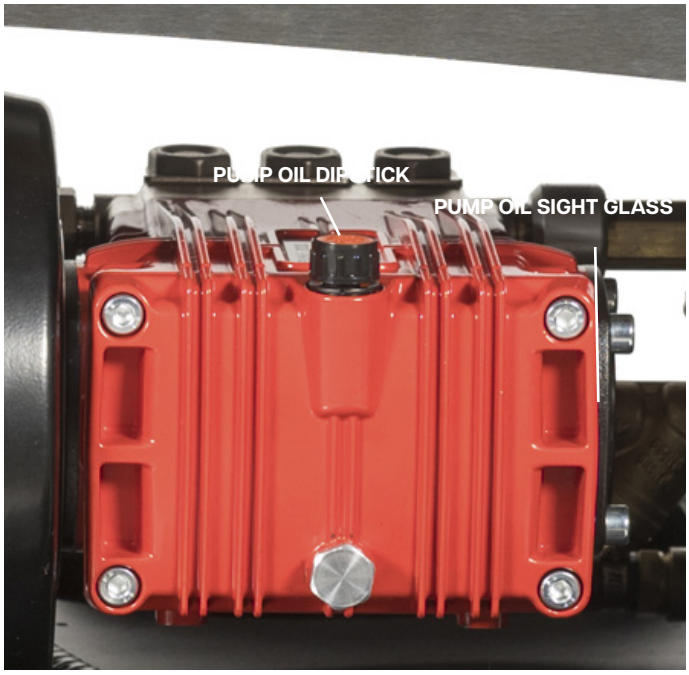



**Figure.7 - Checking Pump Oil Level**

Change oil in pump after first 25 hours of operation and every 250 hours of operation after that, refer to maintenance schedule section. With the pump warm from operation, remove plug on bottom of pump and drain oil into suitable container. Replace plug. Fill to approximately half-way on the sight-glass with SAE 15W-40 Mineral non-detergent oil using the checking procedure.

At 1000 hours of use (less in severe use conditions) the Cadet G2 should be taken to a Jetwave Independent Service Center for pump seal and valve service.

## Preparing Pump for Cold Weather Storage

If the unit will be stored under conditions where the temperature is near or below 0°C, the unit must be properly prepared. If water freezes in the pump, it can damage it.

After the tank is drained (if applicable), remove the hose from the water inlet. Open all valves in the system and use compressed air to force any water out of the system also flush device with anti-freezing agent to prevent freezing during cold weather storage.

## Machine Storage

Store the unit in a well ventilated area protected from the weather elements. Keep the machine in a locked area that is out of reach of children and people unfamiliar with such equipment. This machine can cause serious injury in the hands of untrained users. See Maintenance section for information on cold weather storage. See engine operator's manual for specific information on engine storage.

## Service And Repair

**⚠ WARNING**

**Improper service or repair can make machine unsafe to operate.**

The “Maintenance Instructions” will take care of most of the service needs of this machine. Any problems not addressed by this section should only be handled by an authorized Jetwave service technician.

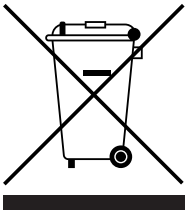
Water Jetter should be taken to a Jetwave Independent Service Center or returned to the factory.

For information on your nearest Jetwave Independent Service Center or any service or repair questions:

- Contact your local Jetwave distributor.
- Visit jetwavegroup.com.au/find-a-dealer/ to find your local Jetwave contact point.
- Contact Jetwave Technical Service Department at service@jetwave.com.au or call +61 8 8371 3599

## Disposal / Environmental Protection

Parts of the water jetter contain valuable materials and can be recycled. There are companies that specialize in recycling that may be found locally. Dispose of the components in compliance with all applicable regulations. Contact your local waste management authority for more information.



Please do not release engine oil, pump & gearbox oil, diesel and petrol into the environment. Protect the ground and dispose of used oil in an environmentally-clean manner.

The packaging material can be recycled. Please do not throw the packaging material into household waste; please send it for recycling

## Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic safety and health requirements of the EU Directives listed below, both in its basic design and construction as well as in the version put into circulation by us. This declaration shall cease to be valid if the machine is modified without our prior approval

**Product:** High Pressure Cleaner

**Trade Name:** Cadet G2

**Relevant EU Directives**
2006/42/EC
2000/14/EC

**Relevant AS/NZS Directives**
60335.5.2.79
4233.1:2013
4233.2:2013

**Applied standards**
EN 1829 -2

**Applied conformity evaluation method**
2000/14/EC: Appendix V
**Sound power level dB(A)**
**Cadet G2**
Measured: 105
Guaranteed: 107

The signatories act on behalf of and with the authority of the company management.

L. Seco
Business Director

Jetwave Group Pty Ltd
10-16 Smith Street, Thebarton 5031 SA, Australia
Tel: +61 8 8371 3599
Fax: +61 8 8371 4497
ACN: 056 759 892

| Type | | Cadet G2 200-15 | Cadet G2 200-21 | Cadet G2 200-30 |
|---|---|---|---|---|
| | | CW3000-15ELG2 | CW3000-21ELG2 | CW3000-30ELG2 |
| **Performance Data** | | | | |
| Working pressure | PSI / BAR / MPa | 3000 / 200 / 20 | 3000 / 200 / 20 | 3000 / 200 / 20 |
| Flow rate | l/m / l/h / gpm | 15 / 900 / 4 | 21 / 1260 / 5.5 | 30 / 1800 / 8 |
| Nozzle Size | | 045 | 065 | 08 |
| Max ambient temperature | °C | 40 / 104 | 40 / 104 | 40 / 104 |
| Max. excess operating pressure (safety valve) | PSI / BAR / MPa | 3200 / 220 / 22 | 3200 / 220 / 22 | 3200 / 220 / 22 |
| Type of protection | IP | IPX5 | IPX5 | IPX5 |
| **Motor** | | | | |
| Electric | | 5.5kW | 7.5kW | 11kW |
| Maximum torque at 1450rpm | kW/HP | 5.5 / 7.5 | 7.5 / 10 | 11 / 15 |
| Operating Speed | RPM | 1450 | 1450 | 1450 |
| Voltage | V | 415 | 415 | 415 |
| Phase | Type | Three | Three | Three |
| Frequency | Hz | 50 | 50 | 50 |
| Plug | Amp | 20 | 20 | 32 |
| Class | Type | I | I | I |
| IP Rating | IP | IP55 | IP55 | IP55 |
| **Water Connection** | | | | |
| Max. feed temperature | °C / F | 50 / 122 | 50 / 122 | 50 / 122 |
| Min. feed volume | l/m (l/h) | 18 | 24 | 33 |
| Max. feed pressure | Bar (MPa) | 10 (1) | 10 (1) | 10 (1) |
| Min. feed pressure | Bar (MPa) | 4 (0.4) | 4 (0.4) | 4 (0.4) |
| Inlet hose diameter (min.) | Inch | 3/4" / 19mm | 3/4" / 19mm | 3/4" / 19mm |
| **Oil** | | | | |
| Pump oil quantity/type | mL | 470 / 15W-40 | 470 / 15W-40 | 1040 / 15W-40 |
| Gear oil quantity/type | mL | N/A | N/A | N/A |
| Engine oil quantity/type | mL | N/A | N/A | N/A |
| **Dimensions & Weight** | | | | |
| Length x width x height | mm | 800 x 665 x 500 | 800 x 665 x 500 | 800 x 665 x 500 |
| Typical operating weight | kg | 140 | 140 | 140 |
| **Values Determined as per AS/NZS 60335.2.79** | | | | |
| Max reaction/recoil force of trigger gun | N | 50 | 70 | 99 |
| Hand spray gun | $m/s^2$ | - | - | - |
| Spray lance | $m/s^2$ | - | - | - |
| Uncertainty K | $m/s^2$ | - | - | - |
| Sound pressure level $L_{pa}$ | dB(A) | 78 | 79 | 79 |
| Uncertainty $K_{pa}$ | dB(A) | 3.9 | 3.9 | 3.9 |
| Sound Power Level $L_{wa}$ + Uncertainty $K_{wa}$ | dB(A) | 71.9 | 72.9 | 72.9 |

| Type | | Cadet G2 275-20 | Cadet G2 280-15 | Cadet G2 345-16 |
|---|---|---|---|---|
| | | CW4000-20ELG2 | CCW4000-15ELG2 | CW5000-16ELG2 |
| **Performance Data** | | | | |
| Working pressure | PSI / BAR / MPa | 4000 / 275 / 27.5 | 4060 / 280 / 28 | 5000 / 345 / 34.5 |
| Flow rate | l/m / l/h / gpm | 20 / 1200 / 5.2 | 15 / 900 / 4 | 30 / 1800 / 8 |
| Nozzle Size | | 045 | 065 | 08 |
| Max ambient temperature | °C | 40 / 104 | 40 / 104 | 40 / 104 |
| Max. excess operating pressure (safety valve) | PSI / BAR / MPa | 4200 / 300 / 30 | 3200 / 220 / 22 | 3200 / 220 / 22 |
| Type of protection | IP | IPX5 | IPX5 | IPX5 |
| **Motor** | | | | |
| Electric | | 11kW | 7.5kW | 11kW |
| Maximum torque at 1450rpm | kW/HP | 11 / 15 | 7.5 / 10 | 11 / 15 |
| Operating Speed | RPM | 1450 | 1450 | 1450 |
| Voltage | V | 415 | 415 | 415 |
| Phase | Type | Three | Three | Three |
| Frequency | Hz | 50 | 50 | 50 |
| Plug | Amp | 32 | 20 | 32 |
| Class | Type | I | I | I |
| IP Rating | IP | IP55 | IP55 | IP55 |
| **Water Connection** | | | | |
| Max. feed temperature | °C / F | 50 / 122 | 50 / 122 | 50 / 122 |
| Min. feed volume | l/m (l/h) | 23 | 18 | 19 |
| Max. feed pressure | Bar (MPa) | 10 (1) | 10 (1) | 10 (1) |
| Min. feed pressure | Bar (MPa) | 4 (0.4) | 4 (0.4) | 4 (0.4) |
| Inlet hose diameter (min.) | Inch | 3/4" / 19mm | 3/4" / 19mm | 3/4" / 19mm |
| **Oil** | | | | |
| Pump oil quantity/type | mL | 1040 / 15W-40 | 470 / 15W-40 | 1040 / 15W-40 |
| Gear oil quantity/type | mL | N/A | N/A | N/A |
| Engine oil quantity/type | mL | N/A | N/A | N/A |
| **Dimensions & Weight** | | | | |
| Length x width x height | mm | 800 x 665 x 500 | 800 x 665 x 500 | 800 x 665 x 500 |
| Typical operating weight | kg | 140 | 140 | 140 |
| **Values Determined as per AS/NZS 60335.2.79** | | | | |
| Max reaction/recoil force of trigger gun | N | 77 | 59 | 69 |
| Hand spray gun | $m/s^2$ | - | - | - |
| Spray lance | $m/s^2$ | - | - | - |
| Uncertainty K | $m/s^2$ | - | - | - |
| Sound pressure level $L_{pa}$ | dB(A) | 78 | 79 | 79 |
| Uncertainty $K_{pa}$ | dB(A) | 3.9 | 3.9 | 3.9 |
| Sound Power Level $L_{wa}$ + Uncertainty $K_{wa}$ | dB(A) | 71.9 | 72.9 | 72.9 |

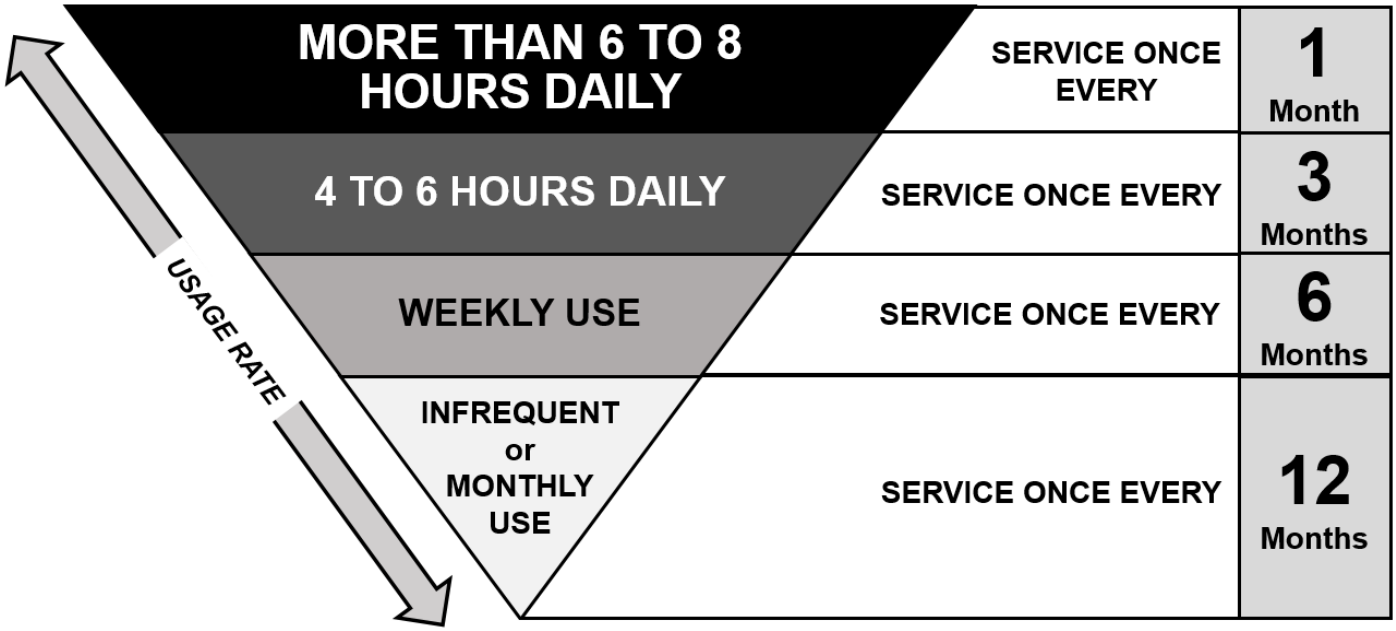
# Jetwave™ High Pressure Cleaner Maintenance Schedule

Refer to the included manual for your high pressure cleaner or water jetting system for safety, pre-inspection, operation, shutdown and more procedures.

Always use an approved Jetwave™ servicing agent who uses Genuine Jetwave parts, to ensure full warranty coverage, service records will need to be provided.

| | | USER | SERVICE AGENT | | | |
|---|---|---|---|---|---|---|
| **REGULAR SERVICE PERIOD[1]**<br><br>Perform at every indicated month or operating hour interval, whichever comes first.<br><br>**ITEM** | | Each Use | First 20 Hrs or First Month | Every 250 Hrs or 6 Months | Every 500 Hrs or 6 Months | Every 1000 Hrs or 1 Year |
| **Pump** | Check Oil Level | O | | | | |
| | Replace Oil | | O | O | | |
| **Pump Seal Kit[2]**<br>(If Leaking or down on pressure) | Replace | | | | O | |
| **Pump Valve Kit[2]**<br>(If down on pressure) | Replace | | | | O | |
| **Pump Conrods** | Re-tension | | O | | | O |
| **Reduction Gearbox** | Check Oil Level | O | | | | |
| | Replace Oil | | O | O | | |
| **Engine Key Way Shaft** | Replace | | | | O | |
| **Inlet Water Filter[2]**<br>(Check for build up of debris) | Check/Clean | O | | | | |
| | Replace | | | | O | |
| **Unloader Valve**<br>(Check for leaks & function) | Check | | O | O | | |
| | Replace | | | | O | |
| **Safety Valve**<br>(Check setting and check for leaks) | Check | | O | O | | |
| | Replace | | | | O | |
| **Hoses**<br>(Check for leaks) | Check | O | | | | |
| | Replace | | | | O | |
| **Gun & Lance**<br>(Check for leaks) | Check | O | | | | |
| | Replace | | | | O | |
| **High Pressure Nozzle**<br>(Check for blockage) | Check | O | | | | |
| | Replace | | | O | | |
| **Couplings & 0-Rings**<br>(If Leaking or as needed) | Check | O | | | | |
| | Replace | | | | O | |
| **Fuel Tank Level** | Check Fuel Level | O | | | | |
| **Electrical Connections**<br>(Check for loose connections) | Check | O | O | | O | |
| **Battery**<br>(Check for loose connections) | Check | O | | | | |
| | Replace | | | | | O |

1. For commercial use, log hours of operation to determine proper maintenance intervals, The time indication for checks and replacement listed above, for units subject to normal operating conditions.
2. Subject to water quality used.




Time interval for checks and replacement listed above are for units subjected to normal operating conditions. Should the unit be subjected to abnormal conditions (eg heavy use, dirty water, extreme temperatures or conditions etc) times should be reduced accordingly.

## Maintenance Log

| Hour Meter Reading | Date | Maintenance Performed | Service Agent |
|---|---|---|---|
| | | | |
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# Trouble Shooting

| FAULT | CAUSE | SOLUTION |
|---|---|---|
| **Pump runs normally but pressure does not achieve rated value.** | Pump is sucking air.<br>Valves are worn or dirty.<br>Unloader valve packing worn.<br>Nozzle incorrect or worn.<br>Worn piston packing.<br>Dirty inlet filter. | Check that all hoses and fittings are airtight.<br>Check, clean or replace.<br>Check and replace.<br>Check and replace.<br>Check and replace.<br>Check and clean. |
| **Fluctuating pressure.** | Valves dirty, worn or stuck.<br>Pump sucking air.<br>Worn piston packing.<br>Dirty filter. | Check, clean or replace.<br>Check that all hoses and fittings are airtight.<br>Check and replace.<br>Check and clean. |
| **Presence of water in oil.** | High humidity in air.<br>Piston packing or oil seal worn.<br>Water entering through breather. | Check and change oil twice as often.<br>Check and replace. |
| **Water dripping from pump.** | Piston packing worn.<br>Piston guide o-rings worn. | Check and replace.<br>Check and replace. |
| **Dripping oil.** | Worn oil seals.<br>Oil coming out of breather. | Check and replace.<br>Pump oil level overfull. |
| **Motor does not start when switched on** | Plug not well connected or unreliable power supply.<br>Earth leakage overload. | Check plug, cable and switch.<br><br>Check earth leakage. |

If the unit will not generate the rated pressure or is erratic

- Make sure the engine throttle is properly adjusted to the full open position.
- Turn unloader valve clockwise to increase pressure. Do not force.
- Inspect system for leaks. Use caution during inspection to prevent injury. If leaks are found, shut unit OFF before fixing.
- Ensure the front part lance with nozzle is connected.
- Turn the unit OFF. Check the inlet hose and filter and make sure that they clear of debris.
- Make sure there is adequate water flow to the unit.
- Turn the unit OFF. Remove the nozzle and clean the orifices with the a nozzle cleaning tool.
- Ensure correct nozzle orifice size is used and no signs of excessive wear are evident.
- Activate trigger and run the unit to remove air or debris from the system. Turn the unit OFF before removing or attaching the lance/nozzle.
- Assume a proper operating position.
- Be sure you can control the ON/OFF action of a water control valve. In case of emergency you must be able to turn off water flow.
- Be sure that you have good balance and do not have to overreach.
- You must be able to place one hand on the gun at all times to control and support the lance.


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Cadet G2 Manual