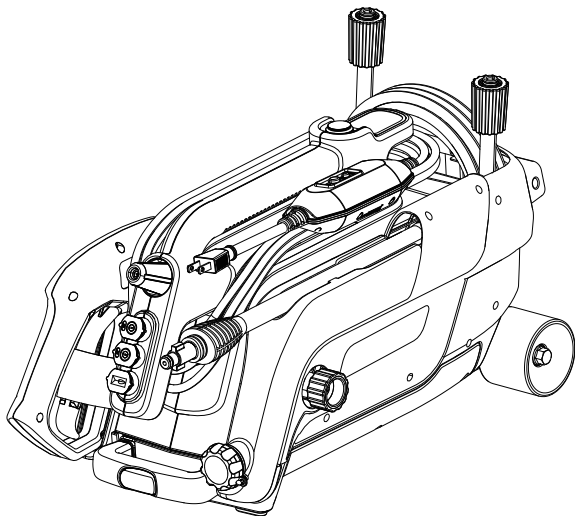


greenworks®

GPW1902

EN	PRESSURE WASHER	OPERATOR MANUAL
FR	LAVEUSE À PRESSION	MANUEL DE L'UTILISATEUR
ES	LAVADORA A PRESIÓN	MANUAL DEL OPERADOR



PWA122

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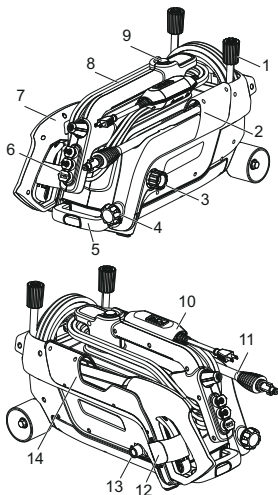
1 DESCRIPTION

1.1 INTENDED USE

The product is used to clean vehicles, boats, buildings, porches, decks, patios, and driveways.

For residential use only, not for professional use. Operate the product at temperature above 32°F (0°C).

1.2 OVERVIEW



- | | |
|----------------------|---------------------|
| 1 High pressure hose | 8 Power cord |
| 2 Spray wand holder | 9 Power switch |
| 3 Water inlet | 10 GFCI |
| 4 Detergent tank | 11 Spray wand |
| 5 Telescopic handle | 12 Velcro |
| 6 Spray tip | 13 Water outlet |
| 7 Spray gun | 14 Spray gun holder |

2 SAFETY

2.1 SAFETY DEFINITIONS

Warnings, cautions, and notes are used to point out especially important parts of the manual.

⚠ WARNING

THERE IS A RISK OF INJURY OR DEATH FOR THE OPERATOR OR BYSTANDERS, IF THE INSTRUCTIONS IN THE MANUAL ARE NOT OBEYED.

⚠ CAUTION

THERE IS A RISK OF DAMAGE TO THE PRODUCT, OTHER MATERIALS, OR THE ADJACENT AREA, IF THE INSTRUCTIONS IN THE MANUAL ARE NOT OBEYED.

Note: Used to give more information that is necessary in a given situation.

2.1.1 IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

When using this product basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when a product is used near children.
3. Know how to stop the product and bleed pressures quickly. Be thoroughly familiar with the controls.
4. Stay alert – watch what you are doing.
5. Do not operate the product when fatigued or under the influence of alcohol or drugs.
6. Keep operating area clear of all persons.
7. Do not overreach or stand on unstable support. Keep good footing and balance at all times.
8. Follow the maintenance instructions specified in the manual.
9. **WARNING – Risk of Injection or Injury– Do Not Direct Discharge Stream At Persons.**

2.1.2 GROUNDING FAULT CIRCUIT INTERRUPTER PROTECTION

- The product is equipped with a ground fault circuit interrupter (GFCI) built into the power cord plug.
- The GFCI provides additional protection from the risk of electric shock.
- If you need to replace the plug or cord, ensure that you only use identical replacement parts that include GFCI protection.

2.1.3 SERVICING OF A DOUBLE INSULATED APPLIANCE

- In a double-insulated product, two systems of insulation are provided instead of grounding.
- A double-insulated product does not have a grounding mechanism included, nor should any means for grounding be added to the product.
- Servicing a double-insulated product requires extreme care and knowledge of the system, and should be done only by qualified service personnel.
- Replacement parts for a double-insulated product must be identical to the parts they replace.
- A double-insulated product is marked with the words "DOUBLE-INSULATION" or "DOUBLE-INSULATED." The symbol is



2.1.4 EXTENSION CORD(S)

- Use only extension cord(s) that are intended for outdoor use.
- These extension cord(s) are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use."
- Use only extension cord(s) marked with an electrical rating not less than the rating of the product.
- Do not use damaged extension cord(s).
- Examine extension cord(s) before using and replace if damaged.
- Do not abuse extension cord(s) and do not yank on any cord(s) to disconnect.
- Keep cord(s) away from heat and sharp edges.
- Always disconnect the extension cord(s) from the power strip before disconnecting the product from the extension cord(s).
- WARNING – To reduce the risk of electrocution, keep all connections dry and raised above the ground.
- Do not touch electric plug with wet hands.

2.2 INSPECT SAFETY FEATURES

2.2.1 CHECK THE SPRAY GUN

- If the spray gun trigger depresses without pressing safety lock or if the spray gun remains depressed when released, replace the spray gun immediately.

2.2.2 CHECK THE HIGH-PRESSURE HOSE

- If the high-pressure hose is damaged, replace immediately.

2.2.3 CHECK THE WATER INLET SCREEN

Inspect the inlet screen. Remove debris or replace if damaged.

2.3 SAFETY INSTRUCTIONS FOR MAINTENANCE












WARNING

Read the warning instructions that follow before you do maintenance on the product.


- Before inspecting, cleaning, or servicing the product, shut off the product, wait for all moving parts to stop, disconnect the product from the power supply, and squeeze the spray gun trigger to release water pressure. Failure to follow these instructions can result in serious personal injury or property damage.
- When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.
- Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Securely tighten all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please call customer service or contact an authorized service center for assistance.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.
- Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic which could result in serious personal injury.
- Neglecting regular maintenance decreases the life cycle of the product and increases the risk of accidents.
- Special training is necessary for all servicing and repair work, especially for the safety features on the product. If not all checks in this operator's manual are approved after maintenance, speak to your servicing dealer. We guarantee that there are professional repairs and servicing available for your product.

SAVE THESE INSTRUCTIONS

2.4 SYMBOLS ON THE PRODUCT

Symbol	Explanation
	Carefully read and understand instructions before operating the product and follow all warnings and safety instructions.
	Do not expose the product to rain or moist conditions.
	Always wear safety goggles or safety glasses with side shields and, as necessary, a full-face shield when operating this product.
	To reduce the risk of high-pressure injection or injury, never direct a water stream towards people or pets or place any body part in the stream. Leaking hoses and fittings can also cause injury. Do not place hands near high-pressure stream.
	To reduce the risk of injury from kickback, hold the spray gun securely with both hands when the product is on.
	Failure to operate in dry conditions and neglecting safe practices can increase risk of electric shock.
	Burst hazard.
	Warning! Never aim the spray gun at humans, animals, the product, power supply, or any electrical appliances.
	The product is not suitable for connection to the drinking water mains without backflow preventer.
	Only set product on flat, horizontal surfaces. Never lift product during operation.
	Keep hands and feet away from the cleaning area while the product is running.
	Correct operating position.
	Do not use in vertical position.




2.5 PROPOSITION 65

 WARNING
<p>This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:</p> <ul style="list-style-type: none"> • Lead from lead-based paints; • Crystalline silica from bricks and cement and other masonry products; • Arsenic and chromium from chemically treated lumber. <p>Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.</p>

Save these instructions.

2.6 RISK LEVELS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

3 INSTALLATION

3.1 UNPACK THE PRODUCT

⚠ WARNING

Make sure that you correctly assemble the product before use.

⚠ WARNING

- If parts of the product are damaged, do not use the product.
- If parts are missing, do not operate the product.
- If parts are damaged or missing, contact the service center.

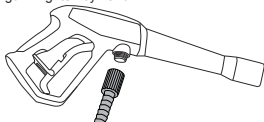
1. Open the package.
2. Read the documentation provided in the box.
3. Remove all the unassembled parts from the box.
4. Remove the product from the box.
5. Discard the box and packing material in compliance with local regulations.

⚠ WARNING

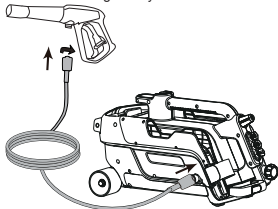
For your personal safety, do not power on before the product is assembled completely.

3.2 INSTALL THE HIGH PRESSURE HOSE

1. Uncoil the high pressure hose and attach the end of the high pressure hose to the base of spray gun. Tighten by hand.



2. Attach the other end of the high pressure hose to the water outlet. Tighten by hand.



3.3 CONNECT THE WATER SUPPLY TO THE PRODUCT

For easy operation, please use a self-coiling garden hose (not provided).

⚠ WARNING

When you operate the self-coiling hose, make sure that the hose has no blockage.

⚠ WARNING

- The water supply must come from the water main.
- Do not use hot water.
- Do not use water from ponds or lakes.

⚠ WARNING

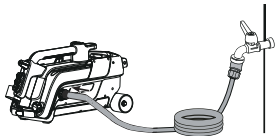
Follow the local regulations when you connect the garden hose to the water supply. Direct connection through a receiver tank or backflow preventer is usually permitted.

⚠ CAUTION

Inspect the filter in the water inlet connector before you connect the garden hose

- If the filter is damaged, do not use the product until the filter is replaced.
- If the filter is dirty, clean the filter.

1. Uncoil the garden hose.
2. Let the water flow through the garden hose for 30 seconds.
3. Turn the water supply off.
4. Install and tighten the end of the garden hose to the water inlet connector.



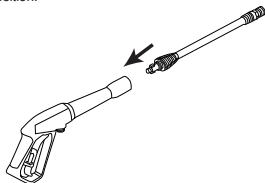
⚠ CAUTION

There must be a minimum of 3 m of free hose between the water inlet and the water supply.

3.4 INSTALL THE SPRAY WAND

1. Push the end of the spray wand into the spray gun handle.

- Turn the spray wand until the tabs lock into position.

**WARNING**

Make sure that the connection has no leakage.

3.5 SPRAY TIPS AND NOZZLE**3.5.1 NOZZLE TYPE**

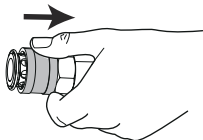
SPRAY TIP	APPLICATION
	Green - Narrow fan tip (25°) <ul style="list-style-type: none"> The green pressure washer tip provides high versatility with its 25 degree angle tip. Referred to as the washing tip, because it provides adequate pressure to remove dirt from surfaces, but is designed to not damage many surfaces. This pressure washer tip is designed for "sweeping" foliage or debris given its wide angle. This tip is versatile due to its wide area of cleaning and strong pressure application.
	White - Wide fan tip (40°) <ul style="list-style-type: none"> The white 40 degree tip, referred to as the "fan" tip creates the widest area of cleaning with relatively low pressure. This pressure washer tip is best used for light or delicate cleaning applications. It is recommended for light cleaning on wood decks and other soft or delicate surfaces.
	Black - Soap spray tip <ul style="list-style-type: none"> The black soap spray tip, is used for soap application. Soap is applied under low pressure high volume for optimum performance. Soap cannot be applied under high pressure with this machine.

SPRAY TIP**APPLICATION****Turbo Nozzle Tip**

- The nozzle rotates in a zero-to-15-degree spray pattern in a circular motion to break down tough dirt and grime. The spray pattern can cover area of 4 to 8 inches wide, depending on a distance between the tip and the surface being cleaned.

3.5.2 INSTALL THE SPRAY TIP

- Pull back and hold the quick-connect collar on the spray wand.

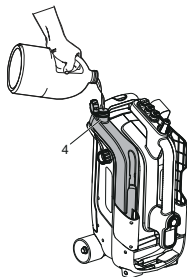


- Insert the spray tip onto the spray wand.



- Release the quick-connect collar to attach the spray tip.

Note: Pull on spray tip to ensure it is properly installed and does not pull out.

3.6 ADD DETERGENT

⚠ WARNING

Do not use household detergents, acids, alkalines, bleaches, solvents, flammable material, or industrial grade solutions, which can do damage to the pump.

⚠ WARNING

Read the instructions on the solution bottle to prepare detergent.

i NOTE

If it is necessary, use a funnel to prevent the spill of detergent. Clean and dry the spilled detergent when you fill the tank.

i NOTE

Soap/detergent can only be applied with this machine when the black nozzle(75 degree) is installed.

1. Place the pressure washer upright on a flat surface.
2. Open the cap on the detergent tank (4).
3. Pour detergent into tank (4).
4. Reinstall cap.

i NOTE

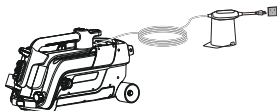
Do not let detergent dry on the surface to prevent streaks.

4 OPERATION**⚠ WARNING**

Make sure that all the connections are tight and have no leakage before operation.

4.1 PREPARE A DRIP LOOP

Recommend the use of a drip loop as below so the water can not run along the power cord even possibly reach the electrical outlet and plug.

**⚠ WARNING**

Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools, or other obstructions while you are working with a power tool. Failure to do so can result in serious personal injury.

4.2 START THE PRODUCT

Note : The product should be connected to a power supply. A considerable voltage drop will cause a loss of power and the motor will be overheated.

⚠ CAUTION

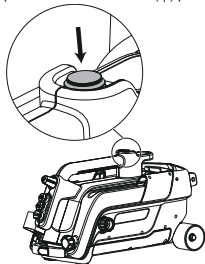
Before you start the product:

1. Turn the water supply on.
2. Pull the spray gun trigger to release air pressure.
3. If a stable stream of water come into view, release the spray gun trigger.

⚠ CAUTION

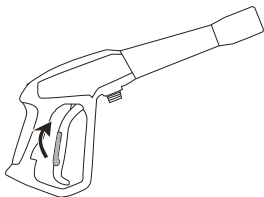
DO NOT start the product without the water supply connected and turned on.

1. Turn the water supply on.
2. Connect the electrical power with plug to a suitable outlet.
3. Set the power switch to the "ON" (|) position.

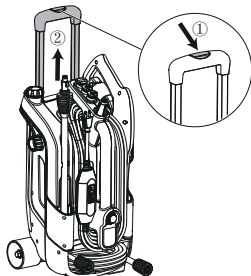
**⚠ WARNING**

Do not use the product in vertical position. As shown in the figure, use the product in horizontal position.

4. Push the trigger safety latch up and pull the spray gun trigger to start the spray gun.



4.3 USE THE TELESCOPIC HANDLE

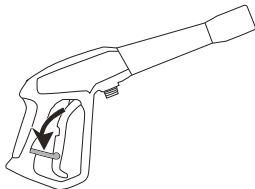


Note: The telescopic handle can help you easily move the product.

1. Press the button on the handle.
2. Pull up the handle to the appropriate height.

4.4 STOP THE PRODUCT

1. Release the spray gun trigger.
2. Set the power switch to the "OFF" (O) position.
3. Turn the water supply off.
4. Pull the spray gun trigger to release the remaining pressure from the product.
5. Pull the trigger safety lockout down until it clicks into the slot.



6. Disconnect the power cord from the outlet.

Note: If you do not use the product, point the spray gun in a safe direction, and squeeze the trigger to relieve built up pressure in the product.

5 MAINTENANCE

⚠ WARNING

Before maintenance, make sure that you

- Stop the product.
- Wait until all the moving parts stop.
- Disconnect the plug from the power source.

⚠ WARNING

Do not use strong solvents or detergents on the plastic housing or components.

⚠ WARNING

Do not let brake fluids, gasoline, petroleum-based materials touch the plastic parts. Chemicals can cause damage to the plastic, and make the plastic unserviceable.

⚠ WARNING

Replace the power cord by an approved service center.

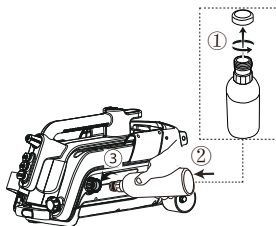
5.1 PROTECT THE PUMP

- Regular use of pump protector (not included) can prolong the life of the product by removing hard water mineral deposits, lubricating pump seals and pistons, and preventing freeze damage.
- To maintain the best performance from the product, pump protector should be added to the product after every use and before long term storage.

Note: The following steps are typical for adding pump protector to the product. Always read the specific instructions provided by the manufacturer of the pump protector used before starting.

1. Turn the water tap off and set the ON/OFF switch to OFF.
2. Press the trigger for approximately 1 minute or until no more water escapes from the connected accessory.
3. Disconnect the power cord with plug from the outlet.
4. Disconnect the hose from the water inlet.
5. Remove the lid from pump protector bottle and then insert the pump protector bottle into the water inlet.
6. Tighten the water inlet sleeve by hand to secure the connection.

7. Squeeze the pump protector bottle to inject protector fluid into product.
8. The product is protected when the protector fluid exits the water outlet.

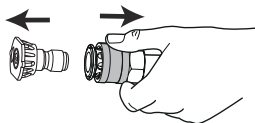


5.2 SPRAY TIP MAINTENANCE

If there is too much pump pressure, the spray tip can become clogged. You can feel a pulsing sensation while you pull the spray gun trigger.

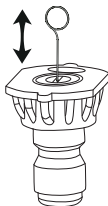
5.2.1 REMOVE THE SPRAY TIP

1. Pull back and hold the quick-connect collar on the spray wand.
2. Remove the spray tip from the spray wand.



5.2.2 CLEAN THE SPRAY TIP

1. Use a straight paper clip or cleaning tool to clean the spray tip.



2. Flush and clean the unwanted materials out of the spray tip with the garden hose.
3. Install the clean spray tip to the spray wand.

6 TRANSPORTATION AND STORAGE

⚠ WARNING

Disconnect the power cord and water supply hose before transportation and storage.

6.1 MOVE THE PRODUCT

- Point the spray wand in a safe direction.
- Only hold the product with the handgrip.

6.2 STORE THE PRODUCT

⚠ WARNING

Make sure that the spray gun, the high-pressure hose and the product are dry.

⚠ WARNING

Make sure the product is out of the reach of children.


- Disconnect the garden hose from product.
- Wind the power cord and the high-pressure hose.
- Clean housing and the plastic components with a moist and soft cloth.
- Make sure that the product does not have loose or damaged parts. If it is necessary, follow these steps/instructions:
 - Replace the damaged parts.
 - Tighten the bolts.
 - If needed, call the customer service phone number for servicing instructions.
- Store the product in a dry, isolated and frost-free area.

7 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The motor does not start.	The power button is in the "OFF" (O) position.	Set the power switch to the "ON" (I) position.
	The power cord is not plugged in.	Connect the power cord to the power supply.
	Electrical outlet does not supply sufficient power.	Try another electrical outlet.
	The circuit breaker is tripped.	Let it cool, and start the product again.
	The power switch is on, but you do not pull the spray gun trigger.	Pull the spray gun trigger.
The product does not reach high pressure.	The diameter of garden hose is too small.	Replace with a 1" (25 mm) or 5/8" (16 mm) garden hose.
	Water supply is restricted.	Check garden hose for kinks, leaks, and blockage.
	The water supply is not sufficient.	Turn on the water supply fully.
	Spray tip has not been installed onto the spray wand properly.	Install desired spray tip to end of wand.
	The water intake filter is clogged.	Remove filter and rinse in warm water.
The output pressure varies high and low.	The water supply is not sufficient.	Turn on the water supply fully. Check garden hose for kinks, leaks, or blockage.
	The pump is drawing in air.	<ol style="list-style-type: none"> 1. Make sure that the hoses and fitting are airtight. 2. Turn "OFF" product. 3. Purge pump by squeezing trigger gun until a steady flow of water comes out the spray tip.
	The water intake filter is clogged.	Remove the filter and rinse in warm water.
	The supply voltage is low.	Make sure that only the pressure washer is running on the circuit.
	The gun, hose or nozzle are calcified.	Run distilled vinegar through detergent tank.
The motor buzzes, but the product does not start.	The supply voltage is low.	Make sure that only the pressure washer is running on the circuit.
	The pump system has residual pressure.	<ol style="list-style-type: none"> 1. Turn "OFF" the product. 2. Pull the spray gun trigger on spray wand to release pressure. 3. Turn the product "ON".

PROBLEM	POSSIBLE CAUSE	SOLUTION
	Voltage loss due to use of an improper extension cord.	Disconnect the extension cord, and connect the product directly into the outlet.
	Pressure washer not used for long periods.	Call customer service.
	Residual friction among components, product might emit a humming noise.	<ol style="list-style-type: none"> 1. Disconnect the water supply. 2. Power "ON" the product for 2 to 3 seconds. 3. Repeat the above step a couple of times or until the motor starts.
There is no water.	The water supply is off.	Turn the water supply on.
	The garden hose is kinked.	Remove kink in garden hose.

8 TECHNICAL DATA

Voltage	120V 60HZ 13A
Max. Pounds Per Square Inch Pressure	1900 PSI
Max. Gallons Per Minute	1.2 GPM
Rated Gallons Per Minute	1.2 GPM
Maximum Inlet Water Temperature	104 °F (40 °C)
Cleaning Units	2280 C.U.
	Double-insulated construction.

9 LIMITED WARRANTY

Greenworks products and batteries are protected against all defects in materials, parts, or workmanship under normal use for a period of 3 years from the shipping date or in-store purchase date.

At its own discretion, **Greenworks** can opt to repair, replace, substitute with a comparable item, or issue a refund for products that are determined to be defective through normal use or that have been damaged during shipment. Proof of purchase and product registration is required. Replacement of products or parts subject to normal wear and tear is the responsibility of the customer.

This warranty is valid only for units which have been maintained in accordance with the instructions found in the operator manual supplied with the product; and for units which have been registered in one of the following ways:

Online: www.greenworkstools.com

Phone – 1-888-909-6757

If **Greenworks** accepts a return under warranty, you can return the defective or damaged product only after you call our Customer Care team and receive a Return Authorization from **Greenworks**. You will also receive a refund for your original shipping charges, and **Greenworks** will arrange and pay for your return shipping charges. To request a Return Authorization, please contact us at 1-888-909-6757.

9.1 ITEMS NOT COVERED BY WARRANTY

- Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration.
- The unit, if it has not been operated and/or maintained in accordance with the operator manual.
- Normal wear, except as noted below:
 - Routine maintenance items such as lubricants.
 - Normal deterioration of the exterior finish due to use or exposure.
 - Any part/product, that has become inoperable due to use with any non-**Greenworks**-branded parts or batteries/chargers.

9.2 HELPLINE

Warranty service is available by calling our toll-free helpline at: 1-888-909-6757.

9.3 SHIPPING

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by **Greenworks**.

9.3.1 ADDRESS

USA address:

Greenworks Tools

P.O. Box 1238, Mooresville, NC 28115

Canada address:

Greenworks Tools Canada, Inc.

P.O. Box 93095, Newmarket, Ontario, L3Y 8K3

Mexico address:

TECNOLOGIA CAMPO Y JARDIN S.A. DE C.V.

ADMINISTRADORES No. 5336 A, COL. ARCOS DE

GUADALUPE, ZAPOPAN , JALISCO , C.P. 45037

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