Use this page to record important information about your Generac Mobile Product

<table>
<thead>
<tr>
<th>Unit Model Number</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Serial Number</td>
<td></td>
</tr>
<tr>
<td>Date Purchased</td>
<td></td>
</tr>
</tbody>
</table>

Record the information found on your unit data label on this page. See *Unit and Serial Number Locations*.

Engine and generator serial numbers are located on separate data plates affixed to the engine and generator respectively.

When contacting a Generac Mobile Products Authorized Service Dealer (ASD) about parts and service, always supply the complete model number and serial number of the unit.

**Operation and Maintenance:** Proper maintenance and care of the generator ensures a minimum number of problems and keeps operating expenses at a minimum. It is the operator’s responsibility to perform all safety checks, to verify that all maintenance for safe operation is performed promptly, and to have the equipment checked periodically by an ASD. Normal maintenance, service and replacement of parts are the responsibility of the owner/operator and, as such, are not considered defects in materials or workmanship within the terms of the warranty. Individual operating habits and usage may contribute to the need for additional maintenance or service.
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Section 1: Introduction and Safety

Introduction
Thank you for purchasing a Generac Mobile Products LLC product. This unit has been designed to provide high performance, efficient operation, and years of use when maintained properly.

The information in this manual is accurate based on products produced at the time of publication. The manufacturer reserves the right to make technical updates, corrections, and product revisions at any time without notice.

Read This Manual Thoroughly

⚠️ WARNING
Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury. (000100a)

If any section of this manual is not understood, contact your nearest Generac Mobile Products Authorized Service Dealer (ASD), or contact Generac Mobile Products Technical Service at 1-800-926-9768 or www.generacmobileproducts.com with any questions or concerns.

The owner is responsible for proper maintenance and safe use of the equipment. Comply with regulations the Occupational Safety and Health Administration (OSHA) has established, or with equivalent standards. Also, verify that the unit is applied, used, and maintained in accordance with the manufacturer's instructions and recommendations. Do nothing that might alter safe application/usage and render the unit in noncompliance with the aforementioned codes, standards, laws, and regulations.

Save these instructions for future reference. This manual contains important instructions for the unit that should be followed during setup, operation and maintenance of the unit and battery. ALWAYS supply this manual to any individual that will use this machine.

How to Obtain Service
When the unit requires servicing or repairs, contact an ASD for assistance. Service technicians are factory-trained and are capable of handling all service needs. For assistance locating a dealer, go to https://www.generacmobileproducts.com/parts-service/find-service.

When contacting an ASD about parts and service, always supply the complete model and serial number of the unit as given on the data decal located on the unit. Record the model and serial numbers in the spaces provided on the front cover of this manual.

Safety Rules
The manufacturer cannot anticipate every possible circumstance that might involve a hazard. The warnings in this manual, and on tags and decals affixed to the unit are, therefore, not all inclusive. If using a procedure, work method or operating technique that the manufacturer does not specifically recommend, verify it is safe for others. Also make sure the procedure, work method or operating technique utilized does not render the equipment unsafe.

Safety Symbols and Meanings
Throughout this publication, and on tags and decals affixed to the unit, DANGER, WARNING, CAUTION and NOTE blocks are used to alert personnel to special instructions about a particular operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Their definitions are as follows:

⚠️ DANGER
Indicates a hazardous situation which, if not avoided, will result in death or serious injury. (000001)

⚠️ WARNING
Indicates a hazardous situation which, if not avoided, could result in death or serious injury. (000002)

⚠️ CAUTION
Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. (000003)

NOTE: Notes contain additional information important to a procedure and will be found within the regular text of this manual.

These safety alerts cannot eliminate the hazards that they indicate. Common sense and strict compliance with the special instructions while performing the action or service are essential to preventing accidents.
Introduction and Safety

General Hazards

**WARNING**

Hearing Loss. Hearing protection is recommended when using this machine. Failure to wear hearing protection could result in permanent hearing loss.

**WARNING**

Vision loss. Eye protection is required when operating unit. Failure to wear appropriate eye protection could result in vision loss or serious injury.

**WARNING**

Moving Parts. Keep clothing, hair, and appendages away from moving parts. Failure to do so could result in death or serious injury.

**WARNING**

Equipment damage. Do not attempt to start or operate a unit in need of repair or scheduled maintenance. Doing so could result in serious injury, death, or equipment failure or damage.

**WARNING**

Risk of injury. Do not operate or service this machine if not fully alert. Fatigue can impair the ability to service this equipment and could result in death or serious injury.

**WARNING**

Equipment damage. Only qualified service personnel may install, operate, and maintain this equipment. Failure to follow proper installation requirements could result in death, serious injury, and equipment or property damage.

**CAUTION**

Equipment or property damage. Do not block air intake or restrict proper air flow. Doing so could result in unsafe operation or damage to unit.

Electrical Hazards

**DANGER**

Electrocution. In the event of electrical accident, immediately shut power OFF. Use non-conductive implements to free victim from live conductor. Apply first aid and get medical help. Failure to do so will result in death or serious injury.

**DANGER**

Electrocution. Water contact with a power source, if not avoided, will result in death or serious injury.

**DANGER**

Electrocution. Verify electrical system is properly grounded before applying power. Failure to do so will result in death or serious injury.

**DANGER**

Electrocution. Do not wear jewelry while working on this equipment. Doing so will result in death or serious injury.

**DANGER**

Electrocution. DO NOT use the unit if electrical cord is cut or worn through. Doing so will result in death or serious injury.

Service Safety

**WARNING**

Before servicing unit, shut unit down, turn water supply OFF, and disconnect unit from power source. Failure to do so could result in death, serious injury, or equipment damage.
Operating Safety

Positioning the Unit

**WARNING**
Crushing hazard. Verify unit is properly secured and on level ground. An unsecured unit can suddenly roll or move, causing death or serious injury.

**WARNING**
Personal injury. Only use water from controlled, reliable sources. Uncontrolled water could contain bacteria. Inhaling mist containing bacteria could result in death, or serious injury.

**WARNING**
Personal injury. Keep people and pets away from work area. Failure to do so could result in death or serious injury.

**WARNING**
Personal injury. Never direct air jet toward people or animals. Shut unit OFF immediately if people or animals enter the work area. Failure to do so could result in death or serious injury.

- The area immediately surrounding the unit should be dry, clean, and free of debris.
- If the unit is equipped with a frame grounding stud, follow any local, state, and National Electrical Code (NEC) guidelines when connecting.

Starting the Unit

**DANGER**
Electrocution. DO NOT use the unit if electrical cord is cut or worn through. Doing so will result in death or serious injury.

**WARNING**
Equipment damage. Do not attempt to start or operate a unit in need of repair or scheduled maintenance. Doing so could result in serious injury, death, or equipment failure or damage.

Lifting Hazards

**WARNING**
Personal injury. Failure to properly connect lifting cables, chains, or straps could result in death, serious injury, or property damage.

**WARNING**
Personal injury. Do not use lifting eye if there are signs of damage or corrosion. Doing so could result in death, serious injury, or property damage.

**WARNING**
Personal injury. Do not use lifting eye other than as directed. Doing so could result in death, serious injury, or property damage.

**WARNING**
Personal injury. Verify all fasteners are properly tightened prior to lifting unit. Failure to do so could result in death, serious injury, or property damage.
Introduction and Safety

Trailer Hazards

**WARNING**

Personal injury. Trailer must be securely coupled to the hitch with the chains correctly attached. Uncoupled or unchained towing could result in death or serious injury.

(000233a)

**WARNING**

Personal injury. Do not operate unit during transport. Doing so could result in death, serious injury, or property damage.

(000231a)

**WARNING**

Crushing hazard. Verify unit is properly secured and on level ground. An unsecured unit can suddenly roll or move, causing death or serious injury.

(000234a)

**WARNING**

Property or Equipment Damage. Tighten wheel lug nuts after first 50 miles to factory specifications. Failure to do so could result in death, serious injury, property or equipment damage.

(000235)

**IMPORTANT NOTE:** See original trailer operating manual for additional safety information.

Towing Safety

Towing a trailer requires care. Both the trailer and vehicle must be in good condition and securely fastened to each other to reduce the possibility of an accident. Some states require that large trailers be registered and licensed. Contact your local Department of Transportation office to check on license requirements for your particular unit.

**Hitch and Coupling**

- Verify the hitch and coupling on the towing vehicle are rated equal to, or greater than, the trailer's gross vehicle weight rating (GVWR).
- Verify the trailer hitch and the coupling are compatible. Verify the coupling is securely fastened to the vehicle.
- **DO NOT** tow trailer using defective parts. Inspect the hitch and coupling for wear or damage.
- Connect safety chains in a crossing pattern under the tongue with enough slack to permit turning and to hold tongue up if trailer comes loose.
- Before towing the trailer, verify that the weight of the trailer is equal across all tires. On trailers with adjustable height hitches, adjust the angle of the trailer tongue to keep the trailer as level as possible.

**Running Lights**

Verify directional and brake lights on the trailer are connected and working properly.

**Wheels and Tires**

- Inspect trailer tires for wear and proper inflation.
- Verify wheel lug nuts are present and tightened to the specified torque.

**Safe Towing Techniques**

- Practice turning, stopping, and backing up in an area away from heavy traffic prior to transporting the unit.
- Maximum recommended speed for highway towing is 45 mph (72 km/h). Recommended off-road towing speed is 10 mph (16 km/h) or less, depending on terrain.
- When towing, maintain extra space between vehicles and avoid soft shoulders, curbs, and sudden lane changes.

**Reporting Trailer Safety Defects**

If you believe your trailer has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Generac Mobile Products LLC.

If NHTSA receives similar complaints, it may open an investigation; and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in an individual problem between you, your GMP ASD, or Generac Mobile Products LLC.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-888-327-4236 (TTY:1-800-424-9153), go to [http://www.safercar.gov](http://www.safercar.gov); or write to:

Administrator
NHTSA
1200 New Jersey Avenue S.E.
Washington, DC 20590

You can also obtain other information about motor vehicle safety from [http://www.safercar.gov](http://www.safercar.gov).
Safety and Operating Decals

This unit features numerous safety and operating decals. These decals provide important operating instructions and warn of dangers and hazards. The following diagrams illustrate decal locations and descriptions.

Replace any missing or hard-to-read decals and use care when washing or cleaning the unit. Decal part numbers can be found in the parts manual at www.generacmobile-products.com.

Table 1-1. Decal Descriptions

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electric Shock Hazard</td>
</tr>
<tr>
<td>2</td>
<td>Central Lift Point</td>
</tr>
<tr>
<td>3</td>
<td>Electric Shock Hazard</td>
</tr>
<tr>
<td>4</td>
<td>Hand Crush</td>
</tr>
</tbody>
</table>

![Figure 1-1. Safety Decal Locations](image)

IMPORTANT NOTE: See original trailer operating manual for trailer safety and operating decal information.
This page intentionally left blank.
## Section 2: General Information

### Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Units</th>
<th>DF7500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Connection</td>
<td>A</td>
<td>Inlet plug three phase 32</td>
</tr>
<tr>
<td>Voltage</td>
<td>V</td>
<td>240 three phase</td>
</tr>
<tr>
<td>Hertz</td>
<td>Hz</td>
<td>60</td>
</tr>
<tr>
<td>Smallest Generator Required</td>
<td>kVa</td>
<td>25</td>
</tr>
<tr>
<td>Fan Power</td>
<td>HP (kW)</td>
<td>10.0 (7.5)</td>
</tr>
<tr>
<td>Pump Power</td>
<td>HP (kW)</td>
<td>3.0 (2.2)</td>
</tr>
<tr>
<td>Water Connection</td>
<td>-</td>
<td>1&quot; hose barb</td>
</tr>
<tr>
<td>Water Consumption</td>
<td>gal/min (L/min)</td>
<td>13.7 (52)</td>
</tr>
<tr>
<td>Inlet Pressure</td>
<td>psi (bar)</td>
<td>1.45 (.1) - 5.8 (.4)</td>
</tr>
<tr>
<td>Inlet Water Filter</td>
<td>micron</td>
<td>180</td>
</tr>
<tr>
<td>Number of Nozzles</td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>Rotation Angle Range</td>
<td>degrees</td>
<td>335</td>
</tr>
<tr>
<td>Tilt Angle</td>
<td>degrees</td>
<td>0-40</td>
</tr>
<tr>
<td>Noise Level</td>
<td>dB @ 22 ft (7 m)</td>
<td>84</td>
</tr>
<tr>
<td>Maximum Horizontal Range (without wind)</td>
<td>ft (m)</td>
<td>98-131 (30-40)</td>
</tr>
<tr>
<td>Maximum Vertical Range (without wind)</td>
<td>ft (m)</td>
<td>52 (16)</td>
</tr>
<tr>
<td>Maximum Covered Area</td>
<td>ft² (m²)</td>
<td>49,513 (4,600)</td>
</tr>
</tbody>
</table>

### Weights

<table>
<thead>
<tr>
<th></th>
<th>lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skid Mounted</td>
<td>1372 (622)</td>
</tr>
<tr>
<td>Trailer Mounted</td>
<td>2,075 (941)</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>L x W x H ft (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skid Mounted</td>
<td>10.83 (3.3 m) x 6 (1.83) x 7.15 (2.18)</td>
</tr>
<tr>
<td>Trailer Mounted</td>
<td>102 (31) x 178 (52) x 104 (32)</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice. Refer to the product specification sheet for complete list.

### Unit Dimensions

![Figure 2-1. Unit Dimensions](009031)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6 ft (1.83 m)</td>
</tr>
<tr>
<td>B</td>
<td>10.83 ft (3.3 m)</td>
</tr>
<tr>
<td>C</td>
<td>7.15 (2.18)</td>
</tr>
</tbody>
</table>
Component Location

Figure 2-2. Component Locations

A Lifting Eye
B Nozzles
C Water Flow Control Valves
D Configurable Range Limiter Pins
E Control Panel
F Radio Control Receiver
G Water Inlet Filter
H Water Inlet Connection
I Transport Safety Locks
J Electrical Socket
K Drain Valve
L Limiter Switch
M Fixed Range Pins
N Hydraulic Pump (on rear of unit)
O Water Supply Pump (on rear of unit)
P Fan Motor (on rear of unit)

Control Panel

Figure 2-4. Control Panel

Control Panel Components and Functions

A Manual Control Switch
B Oscillation System Switch
C Hour Meter
D Water Pump Switch
E Fan Switch
F Phase Rotation Error Lamp
G Phase Rotation Switch
H Input Power Switch
I Water Circuit Purge Button
J Blower Tilting Lever
K Fan Motor Circuit Breaker
L Water pump Circuit Breaker
M Emergency Stop Button
N Oscillation System Circuit Breaker
Transmitter Unit

Unit and Serial Number Locations

See Figure 2-5 to locate the unit ID tag (A) and vehicle identification number (VIN) tag (B). Important information such as the unit model number, serial number, VIN, and tire loading information are listed on these tags. Record the information from these tags in the event the tags are lost or damaged. This information may be needed when ordering parts or requesting assistance.

Connecting Water Supply

**WARNING**

Personal injury. Only use water from controlled, reliable sources. Uncontrolled water could contain bacteria. Inhaling mist containing bacteria could result in death, or serious injury.

NOTE: DO NOT operate unit without sufficient water supply. Failure to follow water supply requirements will void warranty.

Water supply must meet the following requirements:

- Water supply must be greater than 15 gallons per minute (52 liters per minutes) and no less than 14 psi (1 bar).
- Water supply hose length must not exceed 50 ft (15.2 m).
- Water temperature must be less than 100°F (38°C).
- DO NOT siphon standing water for the water source.
- Use only controlled water from reliable sources.
- DO NOT use a one-way valve, vacuum breaker, or check valve in any part of the water supply.
1. Run water supply 30 seconds prior to connection to eliminate debris/air from hose.

2. See Figure 2-6. Connect a hose to 1" water inlet (A) and hand-tighten.

Connecting Power Supply

**DANGER**
Electrocution. In the event of electrical accident, immediately shut power OFF. Use non-conductive implements to free victim from live conductor. Apply first aid and get medical help. Failure to do so will result in death or serious injury.

**DANGER**
Electrocution. Verify electrical system is properly grounded before applying power. Failure to do so will result in death or serious injury.

**DANGER**
Electrocution. Water contact with a power source, if not avoided, will result in death or serious injury.

**DANGER**
Electrocution. Turn utility and emergency power supplies to OFF before connecting power source and load lines. Failure to do so will result in death or serious injury.

**WARNING**
Electric shock. Only a trained and licensed electrician should perform wiring and connections to unit. Failure to follow proper installation requirements could result in death, serious injury, and equipment or property damage.

IMPORTANT NOTE: Installations must be comply with national, state, and local codes.

**IMPORTANT NOTE:** See generator operator’s manual for proper installation procedure to generator.

1. Install power cable wires (A) to three phase, 240 volt power source.

2. See Figure 2-8. Verify input switch (B) is in the OFF position.

3. Verify emergency stop button (C) is in the OFF/armed position. If the emergency stop button is engaged, twist the emergency stop button clockwise to release.

4. See Figure 2-9. Connect power cable to socket (D)
Using Transport Locks

See Figure 2-10. Transport locks (A) (B) must be disengaged prior to operation and reinstalled prior to transportation.

IMPORTANT NOTE: Transporting the unit without the transport locks engaged will result in equipment damage.

Disengaging Transport Locks
1. Remove transport locking pin (A) from transport lock support.
2. Lift transport locking pin (B) to raised position

Engaging Transport Locks
2. Lower blower completely. See Control Panel.
3. See Figure 2-10. Align holes in actuator supports (A).
4. Insert transport locking pin through holes (A) and secure with cotter pin.
5. Rotate blower to forward position.
6. Insert transport lock (B) into hole in base.

Towing the Unit (if equipped)
See trailer operator’s manual for proper towing setup and procedure.

Lifting the Unit

**WARNING**
Personal injury. Failure to properly connect lifting cables, chains, or straps could result in death, serious injury, or property damage.

**WARNING**
Personal injury. Do not use lifting eye if there are signs of damage or corrosion. Doing so could result in death, serious injury, or property damage.

**WARNING**
Personal injury. Do not use lifting eye other than as directed. Doing so could result in death, serious injury, or property damage.

**WARNING**
Personal injury. Verify all fasteners are properly tightened prior to lifting unit. Failure to do so could result in death, serious injury, or property damage.

1. Verify equipment being used to lift the unit is in good condition and has sufficient capacity. For approximate weights, refer to Specifications.
3. Remain aware of people and objects around the unit while preparing, maneuvering, and lifting the unit.
   - When lifting the unit, attach any slings, chains, or hooks directly to the four lifting points (A). The central lift point is located on top of the enclosure, connected to a lift structure inside the unit.
   - Use forklift pockets (B) with care. Avoid approaching unit at an angle as this can damage the forklift pockets. Verify obstructions are clear of the forklift tines before lifting.
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Section 3: Operation

**DANGER**
Electrocution. In the event of electrical accident, immediately shut power OFF. Use non-conductive implements to free victim from live conductor. Apply first aid and get medical help. Failure to do so will result in death or serious injury.

**DANGER**
Electrocution. Verify electrical system is properly grounded before applying power. Failure to do so will result in death or serious injury.

**DANGER**
Electrocution. Water contact with a power source, if not avoided, will result in death or serious injury.

**WARNING**
Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury.

**WARNING**
Equipment damage. Do not attempt to start or operate a unit in need of repair or scheduled maintenance. Doing so could result in serious injury, death, or equipment failure or damage.

**WARNING**
Before servicing unit, shut unit down, turn water supply OFF, and disconnect unit from power source. Failure to do so could result in death, serious injury, or equipment damage.

**WARNING**
Personal injury. Keep people and pets away from work area. Failure to do so could result in death or serious injury.

**WARNING**
Personal injury. Only use water from controlled, reliable sources. Uncontrolled water could contain bacteria. Inhaling mist containing bacteria could result in death, or serious injury.

---

**Operation and Use Questions**

Contact your nearest Generac Mobile Products Authorized Service Dealer (ASD), or contact Generac Mobile Products Technical Service at 1-800-926-9768 or www.generacmobileproducts.com with any questions or concerns about unit operation and maintenance.

**Setup**

1. Place unit on flat ground in a well ventilated area.
2. Place barriers 6 ft (2 m) around unit to prevent unauthorized personnel from nearing unit.
3. See Figure 3-1. Verify sufficient water supply is properly connected to water inlet (A). For water requirements, see Connecting Water Supply.

4. Turn on water supply.
5. See Figure 3-2. Open water control valves (B).

---

**Figure 3-1. Water Connection**

**Figure 3-2. Water Control Valves**
6. See Figure 3-3. Verify power source is properly connected to socket (A). For power requirements and setup, see Connecting Power Supply.

7. See Figure 3-4. Verify transport lock (D) and (E) are disengaged. For more information, see Using Transport Locks.

**Tilting the Blower**

NOTE: Transport locks must be disengaged before tilting the blower. See Using Transport Locks.

Use control panel tilting lever or remote control tilt buttons to adjust tilt 0 to 40°.

**Manual Rotation**

NOTE: Transport locks must be disengaged before rotating blower. See Using Transport Locks.

1. Verify the control panel Oscillation system is switched OFF.
2. See Figure 3-5. Use handle (A) to rotate blower.

**Automatic Oscillation**

NOTE: Transport locks must be disengaged before using oscillation system. See Using Transport Locks.

See Figure 3-6. When the oscillation system is set to ON, blower rotation is controlled by limited by fixed limiting pins (A). Oscillation range can be adjusted by installing the configurable limiting pins to any hole (B) in the deck. When limiting switch (C) contacts a limiting pin the blower reverses direction.

1. Turn OFF oscillation system. See Control Panel.
2. Manually rotate blower to the extreme the blower should rotate to the left.
3. Install limiting pin (B) into nearest hole (B) to the left of micro switch (C).
4. Manually rotate blower to the extreme the blower should rotate to the right.
5. Install limiting pin (B) into nearest hole (B) to the right of micro switch (C).
6. Turn ON oscillation system. See Control Panel.

NOTE: When shutting down the unit, switch off automatic oscillation first. See Stopping the Unit for proper shutdown sequence.
Starting the Unit

1. See Figure 3-7. Verify emergency switch (A) is in the OFF/armed position. If emergency switch is not armed, twist counterclockwise to reset.
2. Turn input switch (B) ON.
3. Set manual control switch (C) to MANUAL.
4. Press fan (D) ON.
5. Press water pump (E) ON.
6. If using automatic oscillation system, press oscillation system (F) ON.

**NOTE:** If using automatic oscillation, system must be set up prior to operation. See Automatic Oscillation.

**NOTE:** If the fan does not start and phase controller error lamp (G) is lit, turn phase controller switch (H) to PHASE SRT or PHASE SRT then restart fan.

![Figure 3-7. Control Panel](image)

Using the Transmitter

The operator using the radio control system must:

- Understand transmitter and machine functions.
- Visually follow machine movements activated by transmitter.
- Switch off transmitting unit whenever suspending the job.
- Never leave the transmitter unattended.
- Remember the transmitter can activate machine movements even in indoor locations away from the receiving unit.
- Avoid using radio control inside shielded areas.
- Replace batteries when discharged.

**NOTE:** If radio control fails at any time, switch control switch (A) to MANUAL CONTROL.

1. See Figure 3-8. Move control switch (A) to RADIO CONTROL.
2. Verify emergency switch (B) is in the out, armed position. If emergency switch is not armed, twist counterclockwise to reset.

![Figure 3-8. Control Panel](image)

Stopping the Unit

**NOTE:** See Figure 3-7. Stop the unit at any time by pressing emergency stop (A).

Shut down the unit in the following sequence:

1. Shut off oscillation system (F).
2. Shut off water pump (E).
3. Shut off fan (D).
4. Shut off input switch on control panel (B).
3. See *Figure 3-9*. Switch main on-off switch (A), obscured on back of transmitter, to ON.

![Figure 3-9. Transmitter](image)

4. Select fan on/off (B), pump on/off (C), oscillation on/off (D), tilting up/down (E), or fan and pump on (F).

**NOTE:** If LED (G) does not flash or flashes weakly when a button is pressed, the battery needs to be replaced.

**NOTE:** Pushing the stop button on the control panel immediately disables all radio control.

5. Use macro button (G) to automatically switch off oscillation, pump, and fan in the proper shutdown sequence.
Section 4: Maintenance and Troubleshooting

WARNING
Before servicing unit, shut unit down, turn water supply OFF, and disconnect unit from power source. Failure to do so could result in death, serious injury, or equipment damage.

(000586)

CAUTION
Equipment Damage. Failure to perform a daily inspection could result in damage to the unit.

(000306)

Daily Walk-Around Inspection
Perform a walk-around inspection of the unit every day before starting the unit. Look for conditions that could hinder performance or safety, such as (but not limited to) damaged or missing parts and hardware, and loose or broken electrical connections.

General Maintenance

<table>
<thead>
<tr>
<th>Maintenance Activity</th>
<th>Before Each Use</th>
<th>After Each Use</th>
<th>Semi-Annually</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Unit</td>
<td></td>
<td>✧</td>
<td></td>
</tr>
<tr>
<td>Rinse Nozzles</td>
<td></td>
<td>✧</td>
<td></td>
</tr>
<tr>
<td>Empty Water Circuit</td>
<td></td>
<td>✧</td>
<td></td>
</tr>
<tr>
<td>Clean Water Filter</td>
<td></td>
<td>✧</td>
<td></td>
</tr>
<tr>
<td>Lubricate Unit</td>
<td></td>
<td>✧</td>
<td></td>
</tr>
<tr>
<td>Clean Nozzles</td>
<td></td>
<td>✧</td>
<td></td>
</tr>
</tbody>
</table>

Preparing for Service
Before servicing the unit, always follow the instructions listed below.
1. Verify unit power switch is OFF.
2. Disconnect power.
3. Disconnect water supply.
4. Attach a DO NOT USE sign to the control panel. This will notify everyone that the unit is being serviced and will reduce the chance of someone inadvertently trying to start the unit.

Inspecting the Unit
- If the unit is stored outside, check for water inside the cabinet and control panel cover before each use. If wet, dry the unit thoroughly before starting.
- Inspect condition of electrical cords. DO NOT use the unit if insulation is cut or worn through.

Cleaning the Unit
Always clean the unit after each use to remove dust, grease, mud or spilled fuel or oil. After each use, clean the unit if dust, grease, or dirt. Use soft, clean rags to wipe the cabinet exterior and control panel. Low-pressure compressed air (less than 40 PSI [276 kPa]) can also be used to remove dust and debris from control panel.

NOTE: Do not use a high pressure hose or power washer to clean control panel or cabinet. Water could damage the electronic components.

Rinsing nozzles
See Figure 4-1. After each use, rinse nozzles (A) with an antilimestone solution to prevent nozzle fouling.

Figure 4-1. Cleaning the Unit
Emptying Water Circuit
After each use, the water system must to emptied to remove sediment from the inlet filter and to prevent fouling.

1. See Figure 4-2. Open nozzle valves (A).

2. See Figure 4-3. Disconnect hose from inlet (B) and open inlet drain (C).

3. Allow system to drain.
5. Close nozzle valves.

Cleaning Water Filters
The unit is equipped with an inlet filter and nozzle filter. Both must be cleaned semiannually or whenever performing system maintenance.

Cleaning Inlet Filter
1. See Figure 4-4. Unscrew and remove water inlet (B).
2. Remove filter cartridge.
3. Tap cartridge on a solid surface and blow with compressed air to remove sediment.

Cleaning Nozzle Filter
1. See Figure 4-5. Remove nozzle filter plug (C).
2. Remove filter cartridge.
3. Tap cartridge on a solid surface and blow with compressed air to remove sediment.
4. Install cartridge and replace inlet filter plug.

Nozzle Cleaning
Clean nozzles on a semiannual basis or when clogged.
1. See Figure 4-6. Remove nozzles (A) from blower.
2. Soak nozzles in antilimestone solution over night.
3. Rinse nozzles.
4. Reinstall nozzles.
Lubrication

See Figure 4-7. Lubricate transport support (A) and thrust bearing (B) on a semiannual basis.

![Figure 4-7. Lubrication]

Trailer Maintenance (if equipped)

Jack Maintenance

See the original equipment’s operating manual for maintenance schedule and a complete list of maintenance requirements.

IMPORTANT NOTE: Failure to comply with the procedures and requirements as described in the trailer operators manual will nullify the warranty, decrease performance, and cause equipment damage or premature equipment failure.

General Troubleshooting

This information is intended to be a check or verification for simple causes that can be located and fixed. It does not cover all types of problems. See the engine operator’s manual for additional troubleshooting information. Procedures that require in-depth knowledge or skills should be performed by a GMP ASD.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Pump Doesn’t Work</td>
<td>Pump dry</td>
<td>Open main water tap.</td>
</tr>
<tr>
<td></td>
<td>Air in water system</td>
<td>Open water control valves.</td>
</tr>
<tr>
<td></td>
<td>Insufficient water inlet pressure</td>
<td>Verify sufficient water supply. See for requirements</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Improper start up sequence. The pump must be started prior to opening the water flow and stopped before closing the water flow</td>
</tr>
<tr>
<td>Fan and Pump do Not Work</td>
<td>Plug not correctly connected</td>
<td>Verify the plug properly fits into socket seat and is fastened by the locking ring.</td>
</tr>
<tr>
<td></td>
<td>Emergency stop button is pressed</td>
<td>Verify the stop button is in the out, armed position. If not turn the knob clockwise.</td>
</tr>
<tr>
<td></td>
<td>Main switch set to OFF</td>
<td>Switch main switch to ON</td>
</tr>
<tr>
<td></td>
<td>Pump or fan circuit protection breakers switched to off</td>
<td>Switch circuit protection breakers to ON</td>
</tr>
<tr>
<td></td>
<td>Disconnected cables in the electrical system</td>
<td>Inspect electrical system for disconnected plug.</td>
</tr>
<tr>
<td>Uneven Nebulization</td>
<td>Dirty or obstructed nozzles</td>
<td>Clean nozzles.</td>
</tr>
<tr>
<td></td>
<td>Low water pressure</td>
<td>Verify water pressure is greater than 14.5 psi (1 bar). See Connecting Water Supply for requirements</td>
</tr>
<tr>
<td>Tilt, Rotation or Stabilizer Regulation Difficult</td>
<td>Lack of lubrication</td>
<td>Lubricate using proper grease for sliding systems.</td>
</tr>
</tbody>
</table>
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