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› Workhorse 40 Gallon Deluxe Spot Sprayer - 60 PSI Handgun Sprayer w/Adjustable Pressure Gauge - LG40DSS User Manual

WORKHORSE SPRAYERS LG40DSS

Workhorse 40 Gallon Deluxe Spot Sprayer User Manual

Model: LG40DSS

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your Workhorse 40 Gallon Deluxe Spot Sprayer, Model LG40DSS. Please read this manual thoroughly before assembly or operation to ensure proper use and to prevent injury or damage.

2. SAFETY INFORMATION

Always observe safety precautions when operating the sprayer. Failure to do so may result in serious injury or property damage.

- Wear appropriate personal protective equipment (PPE) such as gloves, eye protection, and respiratory masks when handling chemicals.
- Ensure the sprayer is securely mounted or placed on a stable, level surface before filling or operating.
- Do not spray flammable liquids.
- Keep children and pets away from the sprayer during operation and storage.
- Disconnect power before performing any maintenance or cleaning.
- Rinse the sprayer thoroughly after each use, especially when changing chemicals.
- Store the sprayer in a cool, dry place, away from direct sunlight and freezing temperatures.

3. PRODUCT OVERVIEW

3.1 Components

The Workhorse 40 Gallon Deluxe Spot Sprayer (LG40DSS) includes the following main components:

- 40-Gallon Polyethylene Tank
- Battery-Powered Pump
- Pressure Gauge
- Deluxe Pistol Grip Handgun
- 25-foot (300 inches) Hose

- Mounting Straps/Hardware (not explicitly listed but implied for a spot sprayer)

3.2 Features

- **Tank Volume:** 40 Gallons, ideal for large area coverage.
- **Maximum Pressure:** 60 PSI, providing strong spray force.
- **Adjustable Pressure Gauge:** Allows for precise control over spray output.
- **Durable Construction:** Made with Brass and Polyethylene (PE) for longevity.
- **Versatile Use:** Suitable for chemical spraying, fertilizer application, garden watering, and general spot spraying.



Figure 1: Workhorse 40 Gallon Deluxe Spot Sprayer (LG40DSS) showing the tank, pump, pressure gauge, and handgun.

4. SETUP

Before first use, ensure all components are present and undamaged. Assembly typically involves connecting the hose to the pump and handgun, and securing the unit.

1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Connect Hose:** Attach the 25-foot hose to the pump outlet and the deluxe pistol grip handgun. Ensure connections are tight to prevent leaks.
3. **Secure Sprayer:** Place the sprayer on a stable, level surface, such as the bed of a utility vehicle or trailer. Use appropriate straps or mounting hardware (not included) to secure the tank and prevent movement during transport and operation.
4. **Connect Power:** Connect the battery-powered pump to a compatible 12V power source (e.g., vehicle battery) using the provided wiring. Ensure correct polarity.



Figure 2: The Workhorse 40 Gallon Deluxe Spot Sprayer mounted in the bed of a utility vehicle during operation.

5. OPERATING INSTRUCTIONS

5.1 Filling the Tank

1. Ensure the sprayer is on a level surface.
2. Remove the tank lid.
3. Carefully pour the desired liquid (chemical, fertilizer, water) into the tank. Do not overfill.
4. Replace the tank lid securely.

5.2 Spraying

1. Ensure the power source is connected and the pump is turned on.
2. Hold the handgun firmly and aim the nozzle at the target area.
3. Squeeze the trigger on the handgun to begin spraying.
4. Adjust the nozzle on the handgun for desired spray pattern (e.g., stream or cone).
5. Monitor the pressure gauge to maintain consistent spray pressure, up to 60 PSI.
6. Release the trigger to stop spraying.

5.3 After Use

1. Turn off the pump and disconnect the power source.
2. Relieve any remaining pressure in the system by briefly squeezing the handgun trigger.
3. Drain any remaining liquid from the tank.
4. Rinse the tank, pump, and hose thoroughly with clean water. Spray clean water through the handgun until the system is clear.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sprayer.

- **Cleaning:** Always rinse the sprayer thoroughly after each use, especially when using corrosive chemicals. This

prevents residue buildup and clogs.

- **Storage:** For long-term storage, drain all liquids, rinse the system, and store in a dry, frost-free environment. Protect the pump from freezing temperatures.
- **Nozzle and Filter Check:** Periodically inspect the handgun nozzle and any inline filters for clogs or damage. Clean or replace as necessary.
- **Hose Inspection:** Check the hose for cracks, kinks, or leaks. Replace if damaged.
- **Battery Care:** If using a separate battery, ensure it is charged and maintained according to its manufacturer's instructions.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Pump not running	No power, loose connection, faulty switch, dead battery.	Check power source, tighten connections, test switch, charge/replace battery.
Low or no spray pressure	Clogged nozzle/filter, low liquid level, air in system, kinked hose, worn pump.	Clean nozzle/filter, refill tank, prime pump, straighten hose, inspect/replace pump.
Leaking	Loose connections, damaged O-rings/seals, cracked hose/tank.	Tighten fittings, replace O-rings/seals, repair/replace damaged components.

8. SPECIFICATIONS

Key technical specifications for the Workhorse 40 Gallon Deluxe Spot Sprayer (LG40DSS):

- **Model:** LG40DSS
- **Tank Volume:** 40 Gallons
- **Maximum Pressure:** 60 PSI
- **Power Source:** Battery Powered (12V DC recommended)
- **Hose Length:** 25 feet (300 inches)
- **Included Components:** Deluxe Pistol Grip Handgun, 25-foot hose
- **Materials:** Brass, Polyethylene (PE)
- **Item Weight:** Approximately 31.7 pounds
- **Package Dimensions:** Approximately 35.5 x 25 x 20.5 inches

9. WARRANTY AND SUPPORT

Specific warranty details are not provided within this manual. For warranty information, technical support, or to order replacement parts, please contact WORKHORSE SPRAYERS directly or visit their official website. Retain your proof of purchase for warranty claims.

Manufacturer: WORKHORSE SPRAYERS

Note: Product specifications are subject to change without notice.

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