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Eastwood 54270

Eastwood Elite CC500 HVLP Paint Spray Gun Instruction Manual

Model: 54270

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of your Eastwood Elite CC500 HVLP Paint Spray Gun. Please read this manual thoroughly before operating the spray gun to ensure proper function and to prevent injury or damage.

1.1 Safety Information

Always wear appropriate personal protective equipment (PPE) including a respirator, safety glasses, gloves, and protective clothing when operating the spray gun. Ensure adequate ventilation in your work area. Keep the spray gun away from open flames, sparks, and heat sources. Do not point the spray gun at people or animals. Disconnect the air supply before cleaning, adjusting, or performing maintenance.

2. PRODUCT OVERVIEW

The Eastwood Elite CC500 is a High Volume Low Pressure (HVLP) paint spray gun designed for applying single stage, basecoat, or waterborne paints. It features high-quality stainless steel internals for durability and compatibility with various coatings.



Figure 2.1: Eastwood Elite CC500 HVLV Paint Spray Gun with gravity feed cup attached.

2.1 Key Features

- Requires only 9.5 CFM at 30-40 PSI inlet air pressure.

- High-quality all stainless steel internals.
- Suitable for single stage, basecoat, or waterborne paints.
- Lightweight design with ergonomic grip.
- Large responsive trigger for stable air flow.
- Includes 1.3mm and 1.4mm needle/nozzle sets for color or clear coats.

2.2 Components Included



Figure 2.2: The spray gun and its accompanying accessories, including the gravity feed cup, air regulator, wrench, cleaning brush, and needle/nozzle sets.

- Eastwood Elite CC500 Spray Gun body
- 600ml Gravity Feed Cup
- 1.3mm Needle/Nozzle Set
- 1.4mm Needle/Nozzle Set
- Air Regulator with Gauge
- Wrench
- Cleaning Brush
- Filter



Figure 2.3: Exploded view showing the main components of the spray gun, including the air cap, fluid nozzle, needle, and spring mechanism.

3. SETUP

1. **Inspect Components:** Before assembly, ensure all components are clean and free from damage.
2. **Attach Air Regulator:** Screw the included air regulator onto the air inlet at the bottom of the spray gun handle.
3. **Select Nozzle Set:** Choose the appropriate needle/nozzle set (1.3mm for finer finishes or 1.4mm for general purpose) for your paint material. Install the selected fluid nozzle and needle into the gun body, then secure the air cap.
4. **Prepare Paint:** Mix your paint according to the manufacturer's instructions. Strain the paint to remove any impurities that could clog the gun.
5. **Fill Gravity Cup:** Pour the prepared paint into the 600ml gravity feed cup and securely attach it to the top of the spray gun.
6. **Connect Air Supply:** Connect your air compressor hose to the air regulator. Ensure the air compressor is capable of providing at least 9.5 CFM at 30-40 PSI.
7. **Adjust Air Pressure:** With the air supply connected, adjust the air regulator to the recommended inlet pressure, typically 30-40 PSI, while the trigger is pulled.

4. OPERATING INSTRUCTIONS

4.1 Adjusting the Spray Gun



Figure 4.1: Top view of the spray gun, highlighting the air pattern control knob (top) and fluid control knob (bottom) for precise adjustments.

- **Air Pattern Control Knob:** Located at the top rear of the gun. Turn clockwise for a rounder spray pattern and counter-clockwise for a wider, fan-shaped pattern.
- **Fluid Control Knob:** Located at the bottom rear of the gun. Turn clockwise to decrease fluid flow and counter-clockwise to increase fluid flow.

- **Air Inlet Pressure:** Adjust using the air regulator attached to the gun.

4.2 Spraying Technique

1. **Test Spray:** Always test the spray pattern and fluid output on a scrap piece of material before painting your actual workpiece. Adjust the air pattern and fluid control knobs until the desired spray pattern and coverage are achieved.
2. **Distance:** Hold the spray gun perpendicular to the surface, typically 6-8 inches away. Maintain a consistent distance throughout the spray pass.
3. **Movement:** Use smooth, even passes, moving your entire arm, not just your wrist. Overlap each pass by approximately 50% to ensure even coverage.
4. **Trigger Control:** Begin moving the gun before pulling the trigger and release the trigger before stopping movement. This prevents paint buildup at the start and end of each pass.
5. **Coats:** Apply multiple thin coats rather than one thick coat to avoid runs and sags. Allow appropriate flash-off time between coats as recommended by your paint manufacturer.

5. MAINTENANCE

Proper cleaning and maintenance are crucial for the longevity and performance of your spray gun.

5.1 Cleaning After Each Use

1. **Empty Paint:** Empty any remaining paint from the gravity cup.
2. **Flush with Solvent:** Pour a small amount of appropriate cleaning solvent (e.g., paint thinner for oil-based paints, water for waterborne paints) into the cup. Spray the solvent through the gun until it runs clear. Repeat if necessary.
3. **Disassemble:** Disconnect the air supply. Carefully disassemble the air cap, fluid nozzle, and needle.
4. **Clean Components:** Use the provided cleaning brush and solvent to thoroughly clean all paint-contacting parts. Pay close attention to the air cap holes and fluid nozzle orifice. Do not use metal objects to clean the nozzle or air cap, as this can damage them.
5. **Clean Gun Body:** Wipe down the exterior of the gun body with a solvent-dampened cloth.
6. **Lubricate:** Apply a small amount of spray gun lubricant to the needle packing and air valve stem.
7. **Reassemble:** Reassemble the gun, ensuring all parts are securely tightened.



Figure 5.1: Included cleaning brush and wrench for maintenance and disassembly.

5.2 Storage

Store the clean and dry spray gun in a protective case or hang it in a clean, dry environment to prevent dust accumulation and damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven Spray Pattern	<ul style="list-style-type: none"> • Clogged air cap horn holes • Damaged air cap • Incorrect air pressure 	<ul style="list-style-type: none"> • Clean air cap thoroughly • Replace air cap • Adjust air pressure to recommended PSI
Pulsating Spray / Low Fluid Output	<ul style="list-style-type: none"> • Low paint level in cup • Clogged fluid nozzle or needle • Loose fluid nozzle • Air leak in cup lid 	<ul style="list-style-type: none"> • Refill paint cup • Clean fluid nozzle and needle • Tighten fluid nozzle • Ensure cup lid is sealed
Paint Runs or Sags	<ul style="list-style-type: none"> • Too much fluid output • Gun too close to surface • Paint too thin • Slow gun movement 	<ul style="list-style-type: none"> • Reduce fluid control setting • Increase spray distance • Adjust paint viscosity • Increase gun movement speed
Dry Spray / Orange Peel	<ul style="list-style-type: none"> • Too little fluid output • Gun too far from surface • Paint too thick • Too much air pressure 	<ul style="list-style-type: none"> • Increase fluid control setting • Decrease spray distance • Adjust paint viscosity • Reduce air pressure

7. SPECIFICATIONS

Feature	Detail
Model Number	54270
Air Consumption	9.5 CFM at 30-40 PSI
Inlet Air Pressure	30-40 PSI (recommended)
Nozzle Sizes Included	1.3mm, 1.4mm
Cup Capacity	600ml
Internals Material	Stainless Steel
Weight	2.1 pounds
Special Features	High Volume, Lightweight, Low Pressure

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Eastwood website or contact Eastwood customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: Eastwood

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