

SGY-AIR293

K.balt 2-in Air Paint Sprayer Instruction Manual

Model: SGY-AIR293

1. INTRODUCTION

This manual provides instructions for the safe and efficient operation, maintenance, and troubleshooting of your K.balt 2-in Air Paint Sprayer. This HVLP (High Volume Low Pressure) gravity feed spray gun is designed for general purpose use, aiming to reduce overspray and deliver a high-quality finish. It features an adjustable fan pattern and fluid control for precise application. The sprayer is suitable for low-viscosity paints, lacquers, enamels, and urethanes. **It is not recommended for use with latex paints.**

- HVLP spray gun increases efficiency and reduces overspray.
- Adjustable fan pattern and fluid control for precise application.
- Built-in suspension hook for convenient storage.
- Durable construction for long-lasting performance.

2. SAFETY INFORMATION

Always follow these safety precautions to prevent injury or damage to the equipment.

- **Ventilation:** Use in a well-ventilated area to avoid inhaling paint fumes. If adequate ventilation is not available, use a respirator.
- **Eye Protection:** Always wear safety goggles or glasses to protect your eyes from paint spray.
- **Skin Protection:** Wear gloves and protective clothing to prevent skin contact with paint and solvents.
- **Flammability:** Many paints and solvents are flammable. Keep the sprayer away from open flames, sparks, and other ignition sources. Do not smoke while operating.
- **Pressure:** Never exceed the maximum recommended air pressure for the sprayer. Always disconnect the air supply before cleaning, adjusting, or servicing the gun.
- **Children and Pets:** Keep children and pets away from the work area.
- **Proper Use:** Do not use the sprayer for purposes other than its intended use.
- **Electrical Safety:** Ensure all electrical connections for air compressors are properly grounded and meet local codes.

3. PRODUCT COMPONENTS

Familiarize yourself with the parts of your K.balt 2-in Air Paint Sprayer.



Figure 3.1: Overall View of the K.balt Air HVLP Spray Gun. This image displays the complete spray gun assembly, including the 600cc gravity feed cup and the attached air pressure regulator. It highlights the durable construction and large capacity cup.

HIGH VOLUME, LOW PRESSURE (HVLP)

Reduces overspray and saves paint



Figure 3.2: High Volume, Low Pressure (HVLP) Feature. This view emphasizes the HVLP design, which is crucial for reducing overspray and conserving paint during application.

600-CC CUP

Provides visible fluid level



Figure 3.3: 600cc Gravity Feed Cup. A detailed shot of the transparent 600cc cup, which allows for visible fluid level monitoring and extended operation without frequent refills.

LIGHTWEIGHT ALUMINUM CONSTRUCTION

Reduces fatigue



Figure 3.4: Lightweight Aluminum Construction. This image highlights the sprayer's lightweight aluminum body, designed to reduce user fatigue during prolonged use.



Figure 3.5: Ergonomic Anodized Knobs. A close-up view of the blue anodized control knobs, which provide precision control over fluid flow, air flow, and the spray pattern.



Figure 3.6: Included Air Pressure Regulator. This image shows the integrated 0-160 PSI air pressure regulator, essential for accurately adjusting pressure to achieve optimal spraying accuracy.



Figure 3.7: Built-in Suspension Hook. A close-up of the convenient suspension hook, designed for easy storage of the spray gun when not in use.



Figure 3.8: Paint Compatibility and Spray Tip. This image illustrates the 1.4mm spray tip and reiterates the sprayer's suitability for low-viscosity paints, lacquers, enamels, stains, and urethanes, while noting it is not for latex paints.

4. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Assembly:**
 - Ensure the 600cc cup is securely threaded onto the spray gun body.
 - Verify the air pressure regulator is firmly attached to the air inlet of the spray gun.
 - Confirm the 1.4mm spray tip and associated components are correctly installed and tightened.
3. **Connect Air Supply:** Attach your air compressor hose to the air pressure regulator. Ensure a secure, leak-free connection.
4. **Prepare Paint:**
 - Thoroughly mix your chosen low-viscosity paint, lacquer, enamel, or urethane according to the manufacturer's instructions.
 - Strain the paint through a fine mesh filter to remove any impurities that could clog the spray gun.
 - Fill the 600cc gravity feed cup with the prepared paint. Do not overfill.
5. **Adjust Air Pressure:** With the air supply connected and turned on, adjust the air pressure regulator to the recommended PSI for your paint and desired finish. Start with a lower pressure and gradually increase as needed.

5. OPERATING INSTRUCTIONS

1. Initial Adjustments:

- **Fluid Control Knob:** Adjusts the amount of paint released. Turn clockwise for less paint, counter-clockwise for more.
 - **Fan Pattern Control Knob:** Adjusts the spray pattern from a round spot to a wide fan. Turn clockwise for a narrower pattern, counter-clockwise for a wider pattern.
 - **Air Flow Control Knob:** Regulates the air flow through the gun.
2. **Test Spray:** Before applying to your project, test the spray pattern and adjustments on a piece of scrap material. Adjust the fluid, fan, and air controls until the desired pattern and coverage are achieved.
3. **Spraying Technique:**
- Hold the spray gun perpendicular to the surface, approximately 6-8 inches away.
 - Move the gun at a consistent speed, overlapping each pass by about 50%.
 - Release the trigger at the end of each pass to avoid excessive build-up.
 - Apply multiple thin coats rather than one thick coat for a smoother finish and to prevent runs.
4. **Refilling:** When the paint level in the cup is low, disconnect the air supply, unthread the cup, refill with strained paint, and reattach securely before resuming operation.

6. MAINTENANCE

Proper cleaning and maintenance will extend the life of your spray gun and ensure consistent performance.

1. Immediate Cleaning After Use:

- Empty any remaining paint from the cup.
 - Pour a small amount of appropriate cleaning solvent (e.g., paint thinner for oil-based paints, lacquer thinner for lacquers) into the cup.
 - Spray the solvent through the gun until it runs clear. Dispose of waste solvent properly.
 - Disassemble the air cap, fluid nozzle, and needle. Clean these parts thoroughly with a brush and solvent.
 - Clean the inside of the paint cup and the gun body.
 - Reassemble all parts, ensuring they are tightened correctly.
2. **Regular Inspection:** Periodically check all seals and O-rings for wear and tear. Replace if necessary to prevent leaks.
3. **Lubrication:** Apply a small amount of non-silicone lubricant to the needle packing and trigger pivot points as needed.
4. **Storage:** Store the clean and dry spray gun in a safe, dry place, ideally using the built-in suspension hook.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Poor Spray Pattern / Uneven Coverage	Incorrect air pressure	Adjust air pressure regulator
	Paint too thick	Thin paint according to manufacturer's instructions
	Clogged air cap or fluid nozzle	Clean air cap and fluid nozzle
	Damaged air cap or fluid nozzle	Replace damaged parts

Problem	Possible Cause	Solution
No Paint Flow	Fluid control knob closed	Open fluid control knob
	Clogged fluid nozzle or paint passage	Clean fluid nozzle and paint passage
	Empty paint cup	Refill paint cup
	Air leak	Check all connections for leaks
Excessive Overspray	Air pressure too high	Reduce air pressure
	Gun held too far from surface	Move gun closer to surface (6-8 inches)
	Paint too thin	Adjust paint viscosity
Paint Leaking from Nozzle	Loose fluid nozzle	Tighten fluid nozzle
	Damaged fluid needle packing	Replace fluid needle packing
	Fluid needle not seating properly	Clean fluid needle and seat

8. SPECIFICATIONS

Feature	Detail
Brand	Generic (Manufacturer: Kobalt)
Model Name	SGY-AIR293
Model Number	5091993
Power Source	Air-powered
Product Dimensions (W x H)	9.5" x 15"
Cup Capacity	600cc
Spray Tip Size	1.4mm
Pressure Regulator	0-160 PSI included
Recommended Paints	Low-viscosity paints, lacquers, enamels, urethanes, stains
Not Recommended For	Latex paints

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.
Manufacturer: Kobalt

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Example: How do I reset this device or fix this error?

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