

*Eastwood*  
*Elite*

Items #54270  
#54271

# CONCOURS CC500 PAINT GUN CONCOURS P500 PAINT GUN INSTRUCTIONS



The **#54270 Eastwood Elite Concours CC500** and **#54271 Eastwood Elite P500 Paint Guns** are precision engineered and specifically designed for the application of color and clear finishes or spraying of thicker primers by the seasoned professional or hobbyist. They are capable of producing high-quality paint finishes and will provide many years of trouble-free service. Gun bodies are constructed of a highly durable and lightweight alloy with Stainless Steel internal components which are compatible with both solvent and water borne coatings. Convenient reference markings on the control knobs allow for accurate repeatability of gun settings. Scientifically designed for maximum user comfort with a modern, streamlined appearance.

## CONTENTS

**(1)** HVLP Paint Gun

**#54270 Eastwood Elite Concours CC500 Gun**; 1.4mm stainless steel nozzle/needle set installed with 1.3mm Stainless Steel Needle and Nozzle Set included

**OR**

**#54271 Eastwood Elite Concours P500 Gun**; 1.7mm stainless steel nozzle/needle set installed with 2.0mm Stainless Steel Needle and Nozzle Set included

**(1)** 600ml., solvent-resistant, composite Paint Cup

**(1)** Paint Cup Inlet Filter

**(1)** Paint Gun Wrench

**(1)** Cleaning Brush

**(1)** Gun-Mounted Air Regulator with 0 to 160 PSI [0-11 Bar] Gauge



## SPECIFICATIONS

- Requires 9.5 CFM [270 l/min] @ 30-40 psi [2.07-2.76 Bar]
- 1/4" male NPT air input threads
- M16 x 1.5 NPS paint cup inlet attachment threads
- Uses DPC-11 DeKups Adapter or Type 2 PPS Adapter

# SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

## **DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

## **WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

## **CAUTION**

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

## **NOTICE**

NOTICE is used to address practices not related to personal injury.



### **READ INSTRUCTIONS**

- Thoroughly read and understand these product instructions before using this equipment. Failure to follow all warnings can result in tool damage or serious physical injury.
- Keep these product instructions for future reference.



### **DANGER FIRE AND EXPLOSION HAZARD!**

- Do Not use near sparks, open flame or another potential ignition source. Solvents and paints are highly combustible and may ignite or explode. Keep at least 25' away from any non-explosion proof compressors, motors, switches etc.



### **WARNING HEALTH HAZARD!**

- Avoid breathing vapors produced by Spray Gun. Always wear appropriate NIOSH approved breathing apparatus and use in a well-ventilated area.
- Wear appropriate ANSI standard Z87.1 eye protection.
- Wear solvent-resistant gloves.
- Do not allow unprotected persons or pets in the spray area.



### **CAUTION BURSTING HAZARD!**

- Do not exceed 60 psi (4.1 bar) of tool inlet pressure. Permanent tool damage and/or bursting could occur and cause personal injury.

# SAFETY INFORMATION



## **⚠ CAUTION** INJURY HAZARD!

- This Paint Gun can quickly spray when handling while connected to an air supply causing serious personal injury. Always disconnect the Paint Gun from the air supply before adding paint, changing nozzles, removing clogs or other maintenance.

## **⚠ NOTICE**

- Use only Eastwood Aerosol Injected Cleaner, Eastwood Paint Gun and Equipment Cleaner, acetone or lacquer thinner to clean guns. Use of chlorinated or halogenated hydrocarbon solvents can corrode aluminum gun components or emit hazardous reactive gasses.
- Use for spraying paint products only. Do not use for spraying pesticides, fertilizer, acids or other corrosive materials and solvents.

## SET-UP

- Remove all components from carton, identify them and become familiar with their purpose.
- Before use, it is necessary to thoroughly clean out the paint cup as well as the paint gun air and paint passages with a solvent such as Eastwood PRE, Aerosol-Injected Cleaner, or acetone. This is to remove any residual manufacturing oils or impurities that may remain. Dry thoroughly.
- A 3/8" I.D. minimum air hose at a 25' maximum length is strongly recommended for best results. Smaller I.D. hose and greater length may reduce available CFM and produce unsatisfactory results.
- A clean, dry, regulated air supply is required. An Eastwood #31633 Eastwood Air CFS or equivalent works well.
- To avoid pulsation of pressure when the trigger is depressed, a remotely mounted main regulator should be set to approx. 40 PSI [2.76 bar] and the included "on the gun" Regulator, initially set to 30 PSI [2.07 bar], is then used for fine-tuning of gun pressure.

# ASSEMBLY

- Mount the included “on the gun” regulator to the 1/4” NPT threads located at the bottom of the Gun body (**FIG 1**). Tighten fitting with the included 16mm wrench.
- Thread the Gun Cup onto the threaded port at the top of the Gun Body. Hand Tighten only (**FIG 2**).
- The Paint Gun is now ready for use.

# IMPORTANT NOTES BEFORE PAINTING

1. Please note that many variables affect the adjustment of a paint gun including paint viscosity and type, atmospheric conditions such as humidity, barometric pressure and temperature as well as air inlet pressure and operator preference. Always “tune” the gun before each use as prevailing conditions may not be the same as the previous use.
2. It is always best to test spray on sheets of cardboard or masking paper with the actual paint you will be applying while making your adjustments to become familiar with the gun and achieve the ideal Fluid Control Setting.
3. Remember that a small amount of product wasted at this point can avoid disappointment in your results and the need to re-do your work later.

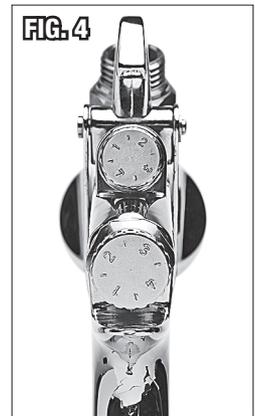
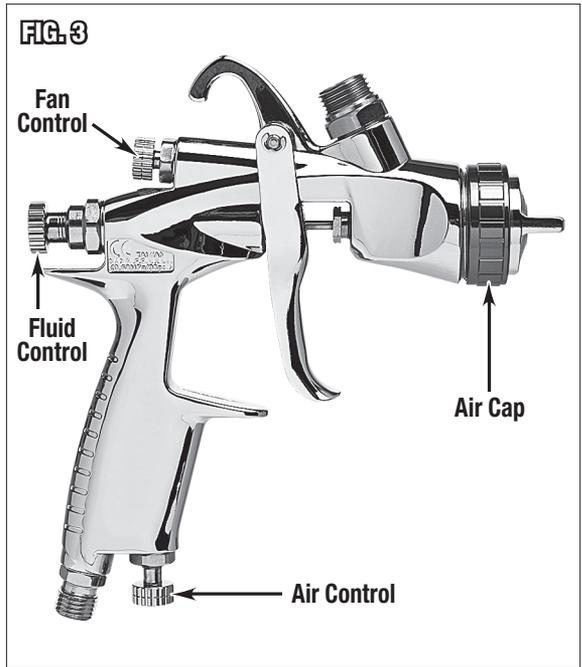


# GUN SETTINGS

- **Air Cap:** Make sure the Air Cap is properly oriented in a horizontal plane to produce a vertical fan spray pattern by viewing the HVLP Paint Gun from the front. To adjust, loosen Retaining Ring by rotating counter-clockwise slightly, adjust Air Cap then re-tighten Retaining Ring (**FIG 3**).
- **Fluid Control:** The Fluid Control knob (located at mid-rear of gun body) regulates the distance the Needle travels and the amount of paint flowing through the gun.

**NOTE:** Generally, for higher viscosity coatings, a wider opening is desired. A more closed opening is better suited for lower viscosity fluids. To adjust, rotate the Fluid Control Knob outward (counter-clockwise as viewed from the rear) to increase flow and turn inward to reduce flow (**FIG 3**).

- **Fan Control:** The Fan Control knob (located at the upper-rear of the paint gun body) controls the size and shape of the spray pattern or “fan”. Rotating the knob counter-clockwise (as viewed from the rear of the gun) will produce a larger and softer spray pattern while rotating it clockwise will result in a smaller, sharper, round pattern. For most painting conditions, a larger, softer fan is desired (**FIG 3**).
- **Air Control:** The Air Control knob (located at the bottom of the gun handle adjacent to the air inlet) is opened by rotating in a counter-clockwise direction (as viewed from the bottom of the gun). This is for “fine tuning” the airflow to the gun. You will generally want to set the inlet pressure at the regulator. Start with the Air Control in the fully open position and decrease air as needed (**FIG 3**).
- With practice, you will quickly acquire a “feel” for the gun and will be producing professional results.
- After achieving optimal knob settings, note their positions with the numbered indicators on the face of the knobs. This will assist in quickly “tuning” the gun in future uses (**FIG 4**).



# GUN CLEAN-UP

- Disconnect air supply to gun.
- Pour unused coating into a proper disposal container and remove Paint Cup.
- Wipe out any excess coating then thoroughly rinse the Paint Cup with a mild solvent compatible with the coating being used.
- Attach paint cup, then pour a small amount of a solvent, compatible with the paint being used, in the Paint Cup, then run solvent through HVLP Gun in a safe area until it flows clear.

## **⚠ NOTICE**

**As an alternative, #12846Z Eastwood Aerosol Injected Gun Cleaner or Eastwood Paint Gun and Equipment Cleaner are excellent for this purpose.**

- Remove air supply from HVLP Gun.
- Pour out any unused solvent and remove paint cup.
- Allow solvent to dry completely from all components.

# PAINT GUN DISASSEMBLY FOR ADDITIONAL CLEANING

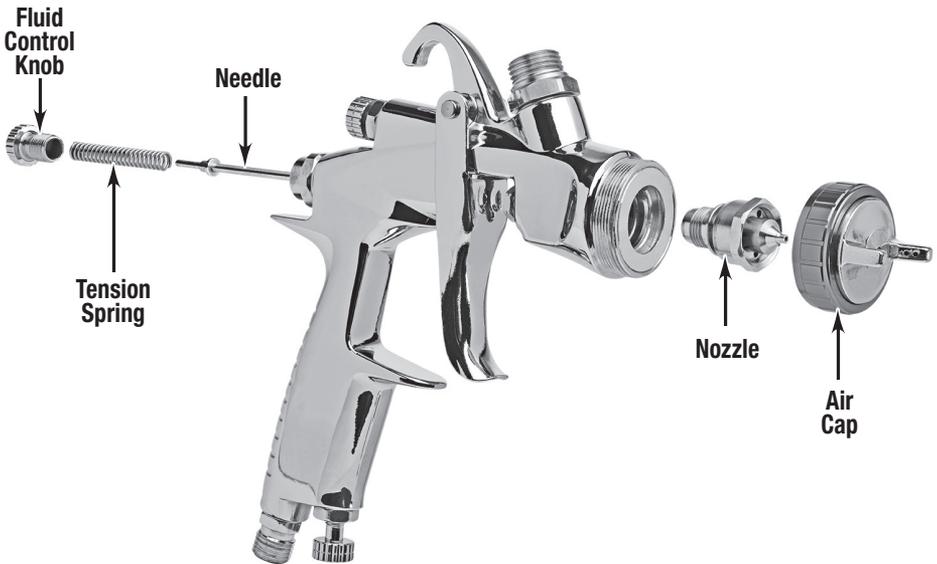
- Remove Air Cap by unthreading and removing Retaining Ring (**FIG 5**).
- Remove Nozzle with a 19mm wrench. (included) (**FIG 5**).
- Unthread and remove Fluid Control Knob from rear of Paint Gun body (**FIG 6**).
- Carefully remove Tension Coil Spring with Bushing and Needle by firmly gripping rear of Needle and pulling out through rear of Paint Gun body (**FIG 6**).



# REASSEMBLY

- Replace Needle by sliding into bore in rear of Paint Gun body until it seats (**FIG 7**).
- Slide Needle Tension Spring w/bushing over the rear of the Needle (**FIG 7**).
- Replace Fluid Control Knob by threading into rear of Gun Body.
- Replace Nozzle by threading into front of Gun Body and tighten firmly with included 19mm wrench (do not-over tighten) (**FIG 7**).
- Replace Air cap by threading Retaining Ring onto Gun Body. Make sure the air horns of the Air Cap are oriented properly (**FIG 7**).

**FIG. 7**



# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>Gun Produces an Uneven Spray Pattern or Fan</b>	Paint or film buildup on Air Cap blocking air holes	Disconnect air supply and clean buildup from Air Cap.
<b>Gun “Spits” or Sputters; Discharges Large Droplets</b>	Paint or film buildup on Needle & Nozzle	Disconnect air supply and clean buildup from Needle & Nozzle. <b>NOTE:</b> Use of solvent may be helpful, removal of the Nozzle may be necessary.
<b>Gun Dispenses Only a Small Amount of Paint or None at All</b>	Clump or piece of paint film blocking paint inlet port	Disconnect air supply; remove paint cup, remove blockage from paint inlet area then strain paint or coating to remove clumps or film.
<b>Heavy Textured or “Orange Peel” Paint Appearance</b>	Paint Gun is too close to surface	Keep within 8” to 12”.
	Inlet air pressure too low	Increase inlet air pressure and or decrease fluid flow.
	Incorrect thinner/reducer	Check paint manufacturer’s reducing/thinning instructions.
	Incorrect material mix ratios	Check paint manufacturer’s mix ratio instructions.
<b>Excessive Runs and Sags</b>	Paint Gun being moved too slowly over surface	Speed up gun motion over surface.
	Excessive fluid flow	Decrease fluid flow by adjusting “fluid” knob.
	Paint mixed too thin	Check paint manufacturer’s reducing/thinning instructions.

# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>“Dry” Paint Appearance</b>	Paint Gun is too far from surface.	Keep within 8” to 12”.
	Paint Gun being moved too fast over surface.	Slow down gun motion over surface.
	Inlet air pressure too high.	Decrease gun inlet air pressure and or increase fluid flow.
	Incorrect thinner/reducer.	Check paint manufacturer’s reducing/thinning instructions.
<b>Thin Paint Appearance</b>	Paint Gun is too far from surface.	Keep within 8” to 12”.
	Paint Gun being moved too fast over surface.	Slow down gun motion over surface.
	Inlet air pressure too high.	Decrease gun inlet air pressure and or increase fluid flow.
	Incorrect thinner/reducer.	Check paint manufacturer’s reducing/thinning instructions.
<b>Paint Spray is Sputtering</b>	Paint Gun is dirty or contaminated.	Disassemble and clean gun with suitable solvent.
	Nozzle or Air cap loose.	Tighten Nozzle and or Air Cap.
	Needle tip or Nozzle seat damaged.	Replace Needle/Nozzle set.
	Gun being tipped too far down.	Operate gun with tip tilted no more than 45° down or up.

# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>Gun “Sprts” at Initial Trigger Pull Then Evens Out</b>	No main air regulator in line causing pressure build up in air line.	A main remote regulator must be installed air supply line and set to 40 PSI [2.76 bar].
	Air regulator set too far back in line causing pressure build up in air line.	Included “On Gun” regulator must be attached at inlet of paint gun.
<b>“Dogbone” Shaped Spray Pattern</b>	Inlet air pressure too high.	Decrease inlet air pressure at gun.
	Fluid flow adjusted too low.	Increase fluid flow adjustment on gun.
<b>Exaggerated “Football” Shaped Spray Pattern</b>	Inlet air pressure too low.	Increase inlet air pressure at gun.
	Fluid flow adjusted too high.	Decrease fluid flow adjustment on gun.
	Paint mixture too thick.	Check paint manufacturer’s mix ratio instructions or thin if possible.

# ADDITIONAL ITEMS

#54272	Eastwood Elite Concours 1.3mm Needle/Nozzle Kit
#54273	Eastwood Elite Concours 1.4mm Needle/Nozzle Kit
#54274	Eastwood Elite Concours 1.7mm Needle/Nozzle Kit
#54275	Eastwood Elite Concours 2.0mm Needle/Nozzle Kit
#54279	Eastwood Elite 600ml Nylon Paint Cup
#54276	Eastwood Elite Concours CC500 and P500 Paint Gun Rebuild Kit
#54277	Eastwood Elite Concours Paint Gun Regulator
#20608	Eastwood 2 Stage Air Filter Regulator
#10041Z	Eastwood PRE-Painting Prep, Aerosol
#12846Z	Aerosol Injected Paint Gun Cleaner
#16154ZP	Eastwood Paint Gun and Equipment Cleaner
#16186	Eastwood Professional Paint Gun Cleaning Set
#14829	Gerson One Step P95 Respirator
#20405 & 20406	Gen-Nex Painters Coveralls
#50207	DeVillbiss DeKups # DPC-11 Adapter
#31624Z	Kresto Hand Cleaner, 200ml Tube
#31625	Kresto Cherry Scrubbing Wipes

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [tech@eastwood.com](mailto:tech@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

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