

*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item #16287

# CONCOURS<sup>®</sup> 2 PAINT GUN & ACCESSORY KIT INSTRUCTIONS



The **Eastwood Concours® 2 HVLV Paint Gun** is a precision engineered gun designed for use by the seasoned professional or hobbyist. It is capable of producing a high-quality paint finish and will provide many years of trouble-free service. The body is 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 gun body and control knobs allow for accurate repeatability of gun settings. Designed for the ultimate in comfort and appearance.

## CONTENTS

- (1) HVLV Paint Gun with 1.7mm stainless steel nozzle/needle set installed (for primers & heavier-bodied coatings)
- (1) 1.3mm Stainless Steel Needle and Nozzle Set (for single stage, base coats & clears)
- (1) 600ml., solvent resistant, composite Paint Cup
- (1) Paint Gun Wrench
- (2) Cleaning Brushes
- (1) 1/4" FNPT Quick Disconnect Fitting
- (1) Regulator
- (1) Aluminum Storage Case



## SPECIFICATIONS

- 4.25 CFM @ 30 PSI (2 Bar)
- 1/4" male NPT air input threads
- M16 x 1.5 NPS paint cup inlet attachment threads
- 1.7 mm stainless steel needle/nozzle set installed (1.3 mm included)

## 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.

# SAFETY INFORMATION



## **⚠ READ INSTRUCTIONS**

- Thoroughly read and understand this manual before using.
- Save for future reference.



## **⚠ WARNING FIRE AND EXPLOSION HAZARD!**

- Do Not use near sparks, open flame or other 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 HAZARDS!**

- 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.



## **⚠ CAUTION INJURY HAZARD!**

- This Paint Gun can quickly spray while handling when 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, 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.
- 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. The use of the supplied "on the gun" regulator is strongly recommended to accurately control gun pressure while painting.
- Clean out the paint cup, as well as the paint gun air and paint passages, with a solvent such as **Eastwood PRE** or acetone to remove any residual manufacturing impurities before use. Dry thoroughly.

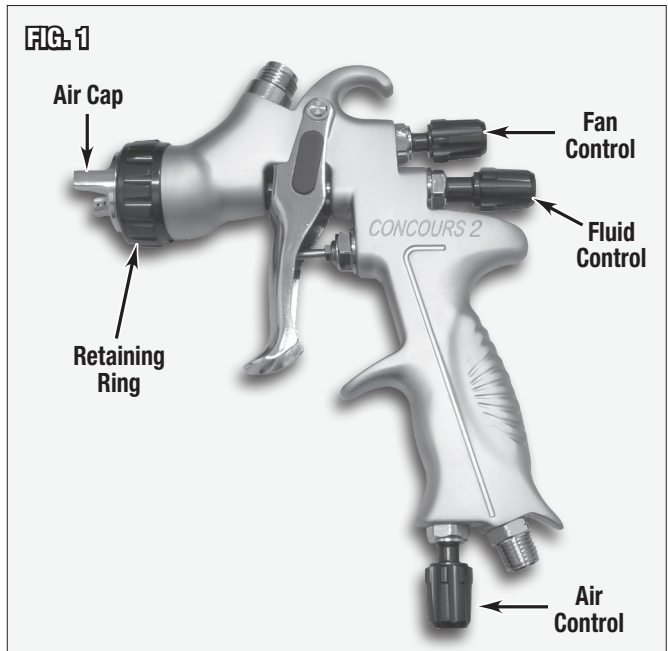
## IMPORTANT NOTES BEFORE PAINTING:

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 used 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 1**).
- **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 while 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 1**).
- **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 of “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 1**).
- **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 full open position and decrease air as needed (**Fig 1**).

- With practice, you will quickly acquire a “feel” for the gun and will be producing professional results.
- When you have achieved your optimal knob settings, note their positions with the indicators on the gun body and knobs. This will assist in quickly “tuning” the gun in future uses.



# CLEAN-UP

- Disconnect air supply to gun.
- Pour unused coating into 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 into the Paint Cup and run solvent through HVLP Gun in a safe area until it flows clear.

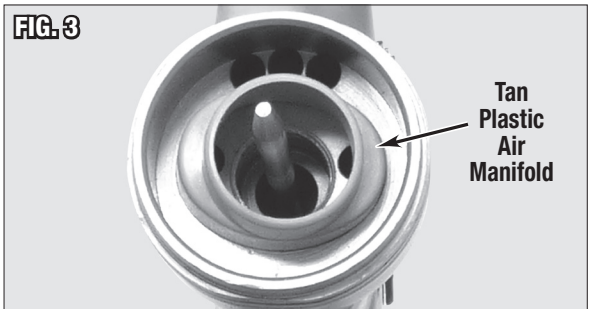
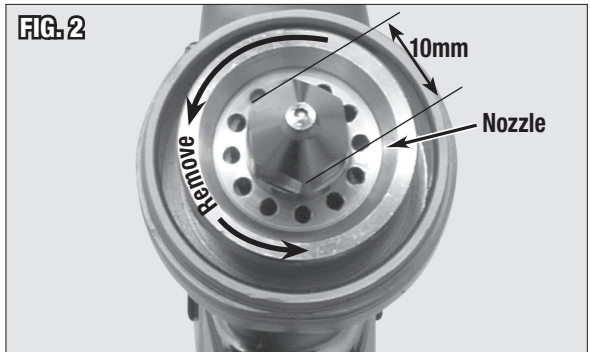
## **▲ NOTICE**

**As an alternative, # 12846Z Eastwood Aerosol Injected Gun Cleaner is excellent for this purpose.**

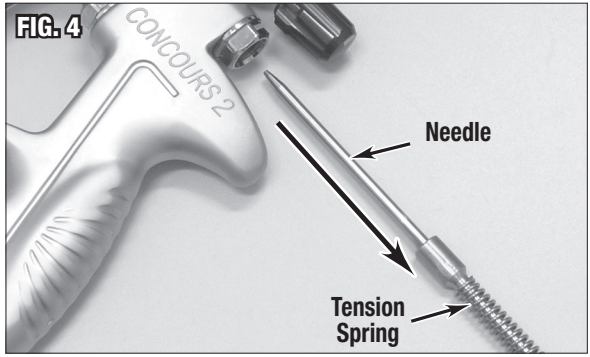
- Remove air supply from HVLP Gun.
- Pour out any unused solvent and remove paint cup.
- Allow solvent to dry completely from all components.

# PAINT GUN DISASSEMBLY FOR ADDITIONAL CLEANING OR REBUILDING

- Remove Air Cap by unthreading and removing Retaining Ring (**Fig 1**).
- Remove Nozzle with a 10mm wrench which is included (**Fig 2**).
- Remove the tan plastic oval shaped Air Manifold from the front of the Gun Body (**Fig 3**).
- Unthread and remove Fluid Control Knob from rear of Paint Gun body.

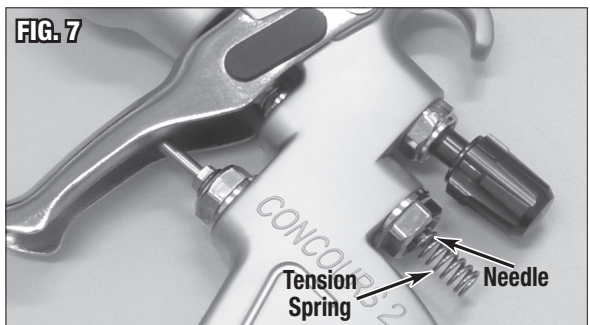
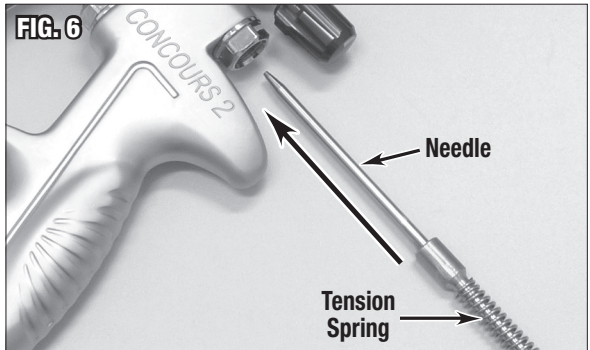
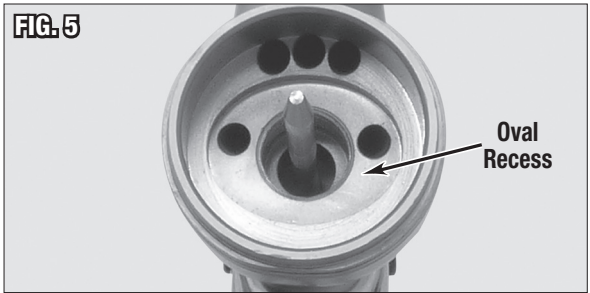


- Carefully remove Tension Coil Spring with Bushing and Needle by firmly gripping rear of Needle and pulling out through rear of Paint Gun body (Fig 4).



## REASSEMBLY

- Set the tan plastic Air Manifold into the oval shaped recess in the front of the Gun Body (Fig 5).
- Replace Needle by sliding into bore in rear of Paint Gun body until it seats (Fig 6).
- Slide Needle Tension Spring w/bushing over the rear of the Needle (Fig 7).
- Replace Nozzle by threading into front of Gun Body and tighten firmly with included 10mm wrench (do not-over tighten).
- Replace Air cap by threading Retaining Ring onto Gun Body. Make sure the air horns of the Air Cap are oriented properly.



# TROUBLESHOOTING

<b>PROBLEM</b>	<b>CAUSE</b>	<b>CORRECTION</b>
<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. Note: 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 (CONTINUED)

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 (CONTINUED)

PROBLEM	CAUSE	CORRECTION
<b>Gun “spurts” at initial trigger pull then evens out</b>	Air regulator set too far back in line causing pressure build up in air line	Paint 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

- #12846Z Eastwood Aerosol Injected Cleaner
- #10041Z Eastwood PRE Aerosol
- #11949Z Eastwood Low VOC PRE Aerosol
- #16186 Eastwood Professional Paint Gun Cleaning Set
- #31624Z Kresto GT Paint Shop Heavy Duty Hand Cleaner
- #31625Z Kresto GT Cherry Turbo Heavy Duty Scrubbing Wipes
- #14829 Gerson OneStep Respirator

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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: [techhelp@eastwood.com](mailto:techhelp@eastwood.com)

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

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