

*Eastwood*

DO THE JOB RIGHT.

Part #14878

# EASTWOOD TURBINE PAINT GUN INSTRUCTIONS



**The Eastwood Turbine Paint Gun** is a powerful 600 watt, fully self-contained, lightweight unit that provides clean, dry, heated air to the HVLP-type spray gun for great results with every painting project. The true HVLP type gun design allows for precise adjustment and easy disassembly for fast cleanup and gun maintenance.

## INCLUDES

- (1) HVLP Paint Gun with 1.8mm nozzle/needle set
- (1) 1 Qt. Paint Cup
- (1) 120 V/AC, double insulated Turbine unit with 6' power cord
- (1) Paint Gun Holder
- (1) 5' x 1" Air Supply Hose
- (1) Viscosity Cup



# SAFETY INFORMATION



## READ INSTRUCTIONS!

Read and understand all instructions thoroughly.



## ELECTRIC SHOCK HAZARD!

- Never operate or store unit in damp or wet conditions.
- If an extension cord is required, a 25' cord is recommended, not to exceed 50'. All extension cords must be 18 AWG or greater.
- Always unplug Turbine Unit before refilling gun cup, cleaning or servicing the Paint Gun.



## FIRE & EXPLOSION HAZARD!

- DO NOT allow flammable paint spray or vapors to enter the air intake of the Turbine Unit! Keep the Turbine Unit away from the painting area and in an elevated, secure position at all times.
- Never use a coating or solvent with a flash point lower than 70°F (21°C). If unsure, refer to the MSDS for the particular products in question.
- Do Not use near sparks, open flame or other potential ignition source.



## 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 eye protection.
- Wear solvent-resistant gloves.
- This device emits high sound levels, the use of appropriate hearing protection is strongly recommended. Never operate the Turbine Unit without Paint Gun attached to hose.

## SET-UP

- Remove all components from carton, identify them and become familiar with their purpose.
- Insert the square protrusion of the Paint Gun Holder into the square receptacle on the lower left side of the Turbine Unit (Fig A).  
**Note:** This also adds stability to the Turbine Unit while in use.
- Attach the Air Supply Hose to the Turbine Unit by slipping end with the larger slotted fitting over the pins molded onto the outlet of the Turbine Unit. Push on and twist to lock in place (Fig B).
- Insert end of Air Supply Hose with the smaller fitting into the large receptacle in the rear of the Paint Gun. This is a press-fit, push firmly to seat (Fig C).
- Be sure the Pick-up Tube inlet is facing forward and is firmly seated in the Paint Gun (Fig D).

Fig. A

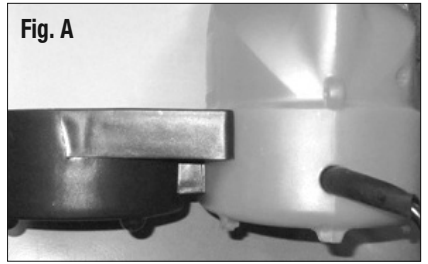


Fig. B

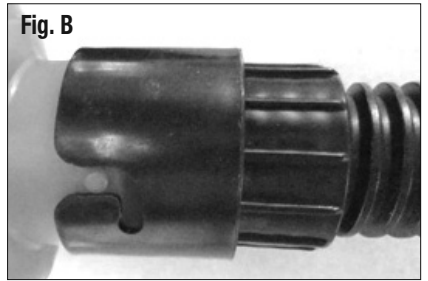


Fig. C

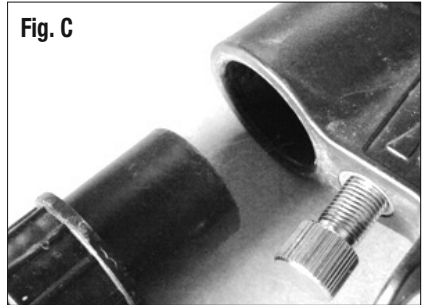
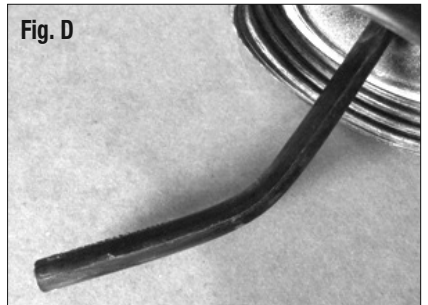
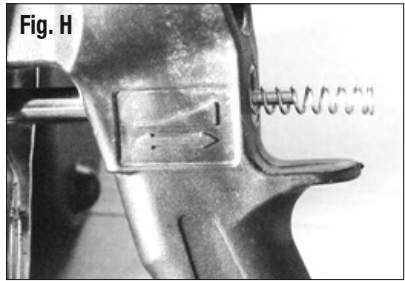
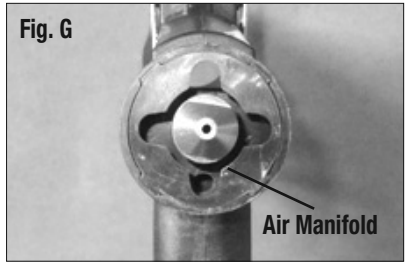


Fig. D



# PAINT GUN DISASSEMBLY FOR ADDITIONAL CLEANING & REBUILD

- Remove Air Cap by removing Retaining Ring.
- Remove Brass Nozzle with a 10mm wrench (Fig G).
- Remove Black Plastic Air Manifold (Note position of locating tabs in Paint Gun body recesses for re-assembly) (Fig G).
- Unthread and remove Fluid Control Knob from rear of Paint Gun body.
- Carefully remove Tension Coil Spring, Needle and Needle Bushing by firmly gripping and pulling out through rear of Paint Gun body (Fig H).
- Clean components as necessary and reassemble in reverse order from described in above steps (Fig I).



## TROUBLESHOOTING

- Gun produces an uneven spray pattern or fan:
  - Paint or film buildup on Air Cap blocking air holes.  
Unplug Turbine Unit and clean buildup from Air Cap.
- Gun “spits” or sputters; discharges large droplets:
  - Paint or film buildup on Needle and Nozzle.  
Unplug Turbine Unit and clean buildup from Needle and Nozzle.  
**Note:** Use of solvent may be helpful, removal of the Nozzle may be necessary.
- Gun draws only a small amount of paint or none at all:
  - Clump or piece of paint film blocking Pickup Tube.  
Unplug Turbine Unit; remove Paint Cup and Pickup Tube.  
Remove blockage from Pickup Tube then strain paint or coating to remove clumps or film.

# OPERATION

- Place a small amount of mild solvent (compatible with the coating about to be used) in the Paint Cup, then using the following instructions, spray it through the HVLP Paint Gun to remove any residual manufacturing oils or lubricants.
- Pour paint or coating into the Paint Cup then thread it onto the bottom of the HVLP Paint Gun. Use care to keep the Paint Cup and Paint Gun level to avoid spillage.
- Plug power cord into suitable electrical source.

**Important Note Before Starting:** Be sure that the Turbine Unit is positioned on a secure, level surface as far from the paint spray area as possible so the air intake of the Turbine unit will not draw in paint spray vapor.

- Turn Power Switch located on the top of the Turbine Unit to the 'On' position.
- Depress Trigger of HVLP Paint Gun to start paint spraying keeping the Nozzle approx 6" to 8" from the work surface.
- Keep the nozzle at an even distance from and parallel to the work surface to provide an even coating. Avoid having the gun travel in an arc as this will cause uneven coating thickness.
- Some spray pass overlap is normal and varies with the individual coating being applied. A 50% overlap is a good starting point for this gun with a medium-bodied coating.
- When between coatings or when finished spraying, turn off the Turbine Unit as soon as possible. Failure to do so can overheat the motor and cause permanent damage.

# CLEAN-UP

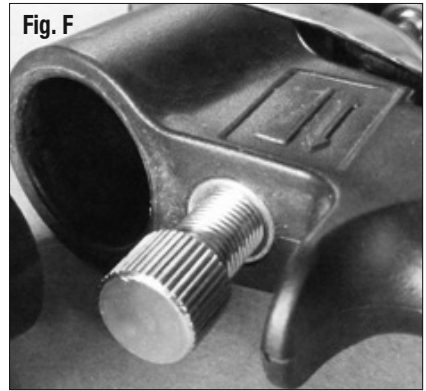
- Unplug Turbine Unit power cord.
- Remove Paint Cup and pour unused coating into proper container.
- Wipe out any excess coating then thoroughly rinse the Paint Cup with a mild solvent compatible with the coating being used.
- Pour a small amount of mild solvent compatible with the coating being used in the Paint Cup then attach Paint Cup, plug unit into power source, spray solvent through HVLP Gun until it flows clear.
- Unplug Turbine Unit power cord.
- Remove Air Supply Hose from HVLP Gun.
- Remove Paint Cup and pour out any unused solvent.
- Allow solvent to dry completely from all components.

# PREPARATION

- The HVLP Paint Gun is designed with a 1.8mm Needle/Nozzle set which will accommodate a wide range of coating viscosities from 15 to 40 seconds of run-out-time as measured with the included Viscosity Cup.
- To use the Viscosity Cup: Follow label instructions and thoroughly mix the paint or coating material, fill the Viscosity Cup to the top and measure the time in seconds that it takes for it to completely empty. If the time recorded is between 15 to 40 seconds, the coating may used as is. For times greater than 40 seconds, thinning or reducing may be necessary. Follow coating manufacturer's instructions for thinning.

# GUN SETTINGS

- Air Cap - Make sure the Air Cap is properly oriented to produce a vertical fan spray pattern by viewing the HVLP Paint Gun from the front (Fig E). To adjust, loosen Retaining Ring by rotating counter-clockwise slightly, adjust Air Cap then re-tighten Retaining Ring.
- Fluid Control Setting – The Fluid Control regulates the distance the Needle travels and the amount of paint or coating flowing through the gun. Note: Generally for higher viscosity coatings, a wider opening is desired while a closer 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 F).



### Important Note Before Painting:

It is always best to test spray on sheets of cardboard or masking paper with the actual coating you will be applying while making your adjustments to become familiar with the gun and achieve the ideal Fluid Control Setting. 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.

# ADDITIONAL AVAILABLE ITEMS

- # 14879 – 1 Quart Turbine Paint Cup
- # 10041Z – Eastwood PRE Painting Prep, Aerosol
- # 12846Z – Aerosol Injected Cleaner
- # 11455-11456 Respirators
- # 20403-20406 Coveralls

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/12776manual](http://eastwood.com/12776manual)

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