DO THE JOB RIGHT.®

Item #68373

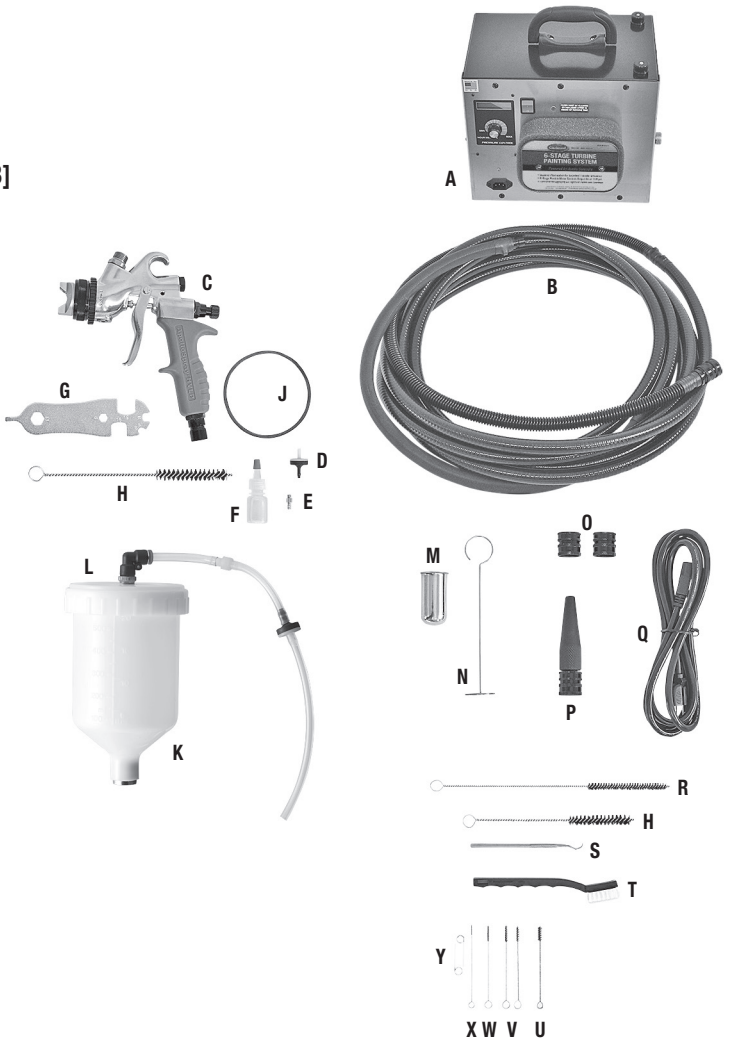
6-STAGE TURBINE PAINTING SYSTEM

OPERATING INSTRUCTIONS

The **EASTWOOD 6 STAGE TURBINE PAINTING SYSTEM** was developed by Apollo Sprayers to be the most compact, highest efficiency spray gun painting system available on the market today. No compressor and drying system required - this six stage turbine, 120VAC powered unit supplies true high volume, low pressure (HVLP), clean, warm and dry air directly to the included spray gun. The unit is designed to be lightweight and portable so you can easily take it to a friend's house or stow it. Lab proven; this turbine painting system will help you get the most out of your paint can with greater than 80% transfer efficiency. The fully adjustable turbine output and unique Fan Adjustment Ring allow for precise adjustment of your spraying experience. This offer also includes a deluxe Spray Gun cleaning kit as a bonus. Take your automotive restorations to the next level with this professional turbine painting system.

CONTENTS

- **(1)** Turbine Air Supply/Control Unit **[A]**
- **(1)** Air Hose with Quick-Connect Fittings installed, 32' (9.75m) length **[B]**
- **(1)** B7600 HVLP Spray Gun **[C]**
- **(1)** Spare Check Valve **[D]**
- **(1)** Cup Air Feed Fitting **[E]**
- **(1)** Spray Gun Lube **[F]**
- **(1)** Spray Gun Wrench **[G]**
- **(2)** Cleaning Brush, 1/2" x 8-5/8" **[H]**
- **(1)** Spare Cup Lid Seal **[J]**
- **(1)** Cup, 600cc **[K]**
- **(1)** Cup Lid with Seal, Air Feed Tube, Check Valve Installed **[L]**
- **(1)** Viscosity Meter **[M]**
- **(1)** Viscosity Meter Dipper **[N]**
- **(2)** Quick-Connect Coupler **[O]**
- **(1)** Blow Nozzle with Quick Connect Coupler-Installed **[P]**
- **(1)** IEC C13 to NEMA 5-15P Power Cord, 8 ft (2.4m) **[Q]**
- **(1)** Cleaning Brush, 3/8" x 12" **[R]**
- **(1)** Pick **[S]**
- **(1)** Brush, Nylon Bristles **[T]**
- **(1)** Cleaning Brush, 7/32" x 4" **[U]**
- **(2)** Cleaning Brush, 5/32" x 4" **[V]**
- **(1)** Cleaning Brush, 3/32" x 4" **[W]**
- **(1)** Cleaning Brush, 1/16" x 4" **[X]**
- **(2)** 0.60mm Nozzle Cleaning Rod **[Y]**



SPECIFICATIONS

Power Input:	110-120 VAC, 60Hz, 15A
Cup Size:	600cc
Needle/Nozzle Size:	0.8mm
Air Cap:	B, HS
Turbine Air Flow Output:	65+ CFM
Turbine Air Pressure Output Adjustment:	0.1 - 11.5 PSI
Turbine Air Supply/Control Unit Overall Dimensions (W x D x H):	14.5" x 14" x 13" [368 x 355 x 330mm]
Weight:	25 lbs. [11.3kg]

SAFETY INFORMATION

READ AND UNDERSTAND ALL INSTRUCTIONS AND PRECAUTIONS BEFORE PROCEEDING.

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 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.
- Keep these product instructions for future reference.

⚠ DANGER ELECTRIC SHOCK CAN CAUSE INJURY OR DEATH!

- Always operate in a clean, dry area. Do not operate in wet or rainy areas. Wet electrical components and connections can cause electric shock, resulting in death or serious injury.

⚠ DANGER FIRE AND EXPLOSION HAZARD!

- **DO NOT** allow flammable paint spray or vapors to enter the air intake of the Turbine Air Supply/Control Unit! Keep the Turbine Air Supply/Control 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 100°F [38°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. 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.
- Static electricity can be produced by HVLP spraying. Make sure any electrically conductive object being sprayed is grounded to prevent static sparking. The Turbine Air Supply/Control Unit is grounded through the power cord to prevent static sparking.

⚠ WARNING HEALTH HAZARD!

- Avoid breathing vapors produced by Spray Gun. Always wear appropriate NIOSH approved breathing apparatus and use in a well ventilated area.
- Always wear ANSI approved eye protection when utilizing this tool.
- Wear solvent-resistant gloves to prevent skin irritation from solvents and paint.
- The Turbine Air Supply/Control Unit can generate excessive noise. Wear appropriate hearing protection while using.
- Do not allow unprotected persons or pets in the spraying area.
- 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 gases.

⚠ CAUTION INJURY HAZARD!

- The Spray Gun can quickly spray when handling while the unit is powered. Always unplug the Turbine Air Supply/Control Unit before adding paint, changing nozzles, removing clogs or performing other maintenance on the Spray Gun.

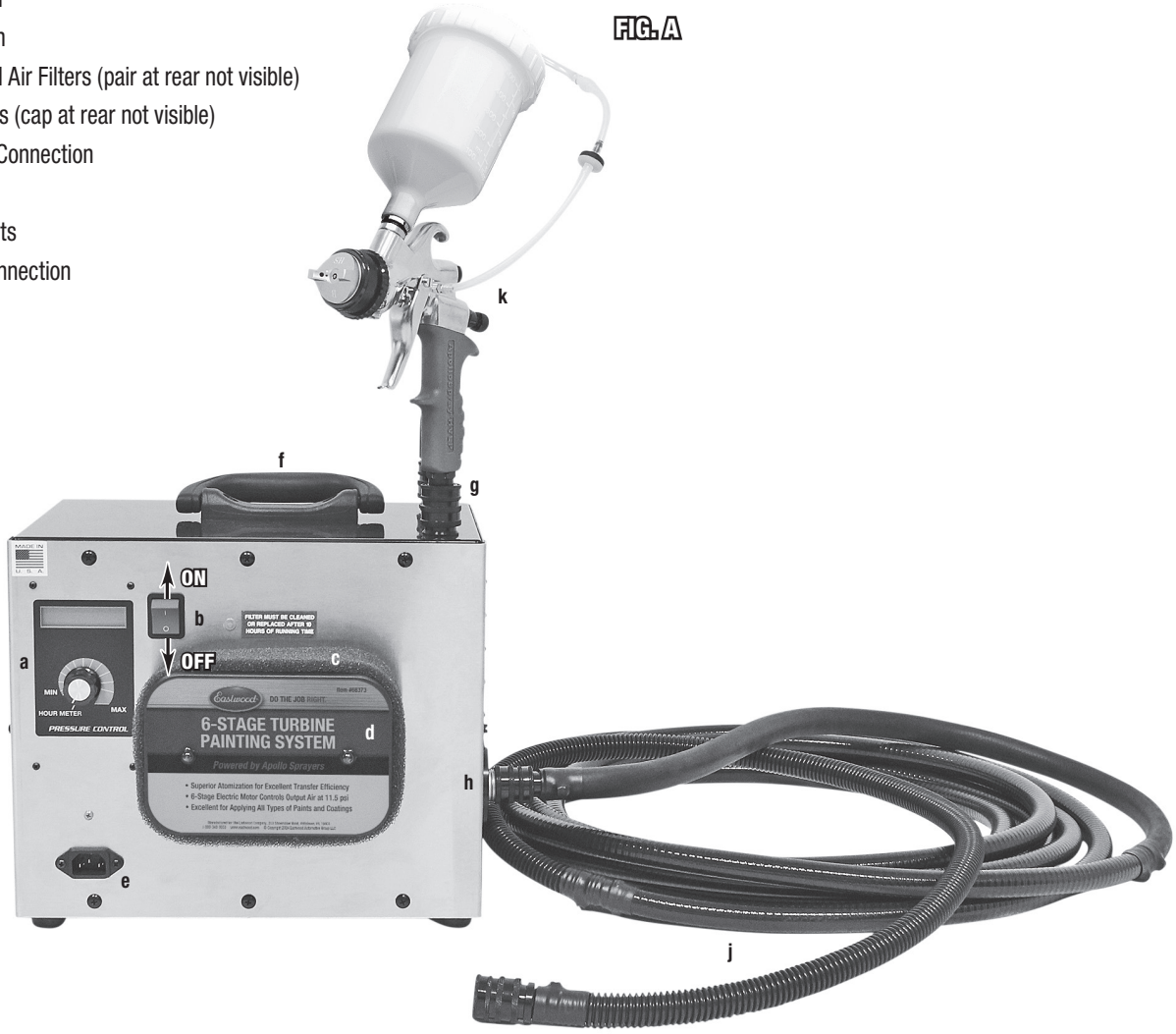
⚠ NOTICE

- Do not carry the Turbine Air Supply/Control Unit while operating. This could damage the turbines.
- Never operate the Turbine without the Hose connected and without Spray Gun or Blow Gun attached to the Hose.
- Tipping the Spray Gun causes clogs. Dried paint will also clog the pressure delivery tube and fittings. Clean the Spray Gun after each use to prevent clogs that will degrade function.
- When not in use, be sure to disconnect the Hose and lock the Spray Gun into the integrated docking station at the top of the Turbine Air Supply/Control Unit to avoid tipping.
- Use for spraying paint products only. Do not use for spraying pesticides, fertilizer, acids or other corrosive materials and solvents.
- If an extension cord is required, it must be of sufficient gauge for the amperage input. For a 25' cord it must be minimum 14 AWG and a 50' cord must be minimum 12 AWG. Do not exceed 50'.

COMPONENT IDENTIFICATION (FIG A)

[a] Control Panel
[b] Power Switch
[c] Prefilters and Air Filters (pair at rear not visible)
[d] Air Filter Caps (cap at rear not visible)
[e] Power Input Connection
[f] Carry Handle
[g] Docking Points
[h] Air Outlet Connection
[j] Air Hose
[k] Spray Gun

FIG. A



SET UP

Carefully remove all components from the box. Verify all components are present and intact as described in the **INCLUDES** section above, then continue:

TURBINE AIR SUPPLY/CONTROL UNIT AND HOSE SET UP

- The Eastwood 6 Stage Turbine Painting System requires a dedicated 120 VAC, 15 AMP, 60HZ grounded outlet protected by a circuit breaker. The plug installed on the IEC C13 to NEMA 5-15P Power Cord, 8 ft (2.4m) **[Q]** is a NEMA 5-15P and should be used with a NEMA 5-15R receptacle. If using an extension cord, use a minimum 14 AWG cord for up to 25 feet, and a minimum 12 AWG cord for up to 50 feet.
- Verify the Turbine Air Supply/Control Unit **[A]** power switch is **OFF**. Plug in the Power Cord to the front of the Unit and plug the Power Cord into the outlet. Do not turn it on until the Hose and Spray Gun are connected.
- Place in a safe location, ideally as far as possible from the spray area or separated in a different room to minimize overspray vapors from being captured by the air filters.
- Thread on a Quick-Connect Coupler **[O]** to one of the male threaded stems on the top of the Turbine Air Supply/Control Unit. Install the Blow Nozzle with Quick Connect Coupler-Installed **[P]** to the other. These points can be used as docking points for safe storage of the Blow Gun or Spray Gun(s) **(FIG 1)**.
- Install the remaining Quick-Connect Coupler **[O]** to the air outlet at the right side of the unit. The Coupler only needs to be hand tightened to seal **(FIG 2)**.
- Connect the Air Hose with Quick-Connect Fittings installed, 32' (9.75m) length **[B]** to the air outlet Coupler by pushing the Coupler lock back, inserting the male quick-connect end, and releasing the lock **(FIG 3)**.

SPRAY GUN SET UP

The Model B7600 Spray Gun was developed by Apollo Sprayers, with 50 years of experience, to be the finest, most efficient HVLP Spray Gun available. This operates similar to typical pneumatic HVLP Guns with the addition of an air feed tube to pressurize the Cup.

NEEDLE/NOZZLE SELECTION

It is important to remember that the highly efficient design of this system delivers a much higher volume of air to the Spray Gun than a pneumatic paint gun. As result, the required Needle/Nozzle sizes for this Spray Gun will be much smaller than those of a pneumatic paint gun when spraying the same material. The included Spray Gun is assembled with a 0.8mm Needle/Nozzle set and B, HS Air Cap as standard. All others are available separately.

Use the following chart as a general guide for selecting the correct Needle/Nozzle and Air Cap sizes:

APPLICATION	NOZZLE/NEEDLE SIZE	AIR CAP
Spot repair and panel blends	0.5mm (0.020")	CC
Automotive base and most clearcoats	0.8mm (0.031")	B, HS
Automotive single stage	1.0mm (0.039")	B, HS
	1.3mm (0.051")	B, HS
Thinned primers	1.5mm (0.059")	B, HS
High build primers	1.8mm (0.071")	C, HS
	2.0mm (0.079")	C, HS

FIG. 1

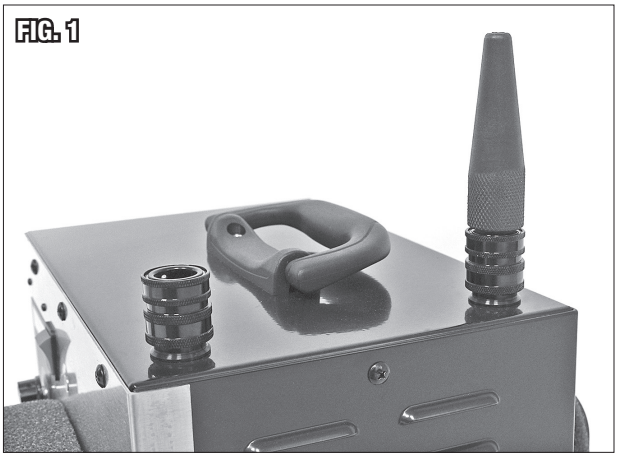


FIG. 2

FIG. 3

PAINT CUP SETUP

- Install the Cup Air Feed Fitting **[E]** to the side of the B7600 HVLP Spray Gun **[C]** with the Spray Gun Wrench **[G] (FIG 4)**.
- Attach the Cup, 600cc **[K]** by threading it onto the male paint inlet fitting at the top of the gun **(FIG 5)** hand tight.
  NOTE: Additional cup sizes and 3M disposable paint cup compatible solutions can be purchased as accessories from Apollo Sprayers.
- Install the Cup Lid with Seal, Air Feed Tube, Check Valve Installed **[L]** to the Cup. Slip the Air Feed Tube end over the Cup Air Feed Fitting on the Spray Gun Body. Make sure the black half of the Check Valve is pointing towards the top of the Cup for the correct airflow direction **(FIG 5)**. Make note of the twist-lock connection above the Check Valve. This provides a quick way to release Cup pressure before opening, preventing paint splatter.
- Store the Spray Gun on the docking points at the top of the Turbine Air Supply/ Control Unit for safe keeping until needed for use **(FIG 6)**.

FIG. 4

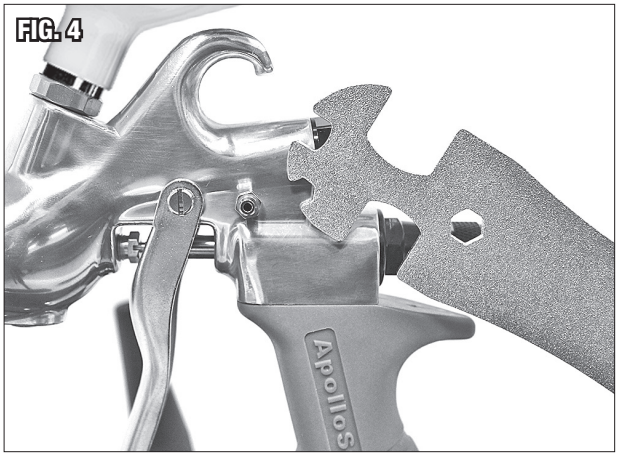


FIG. 5

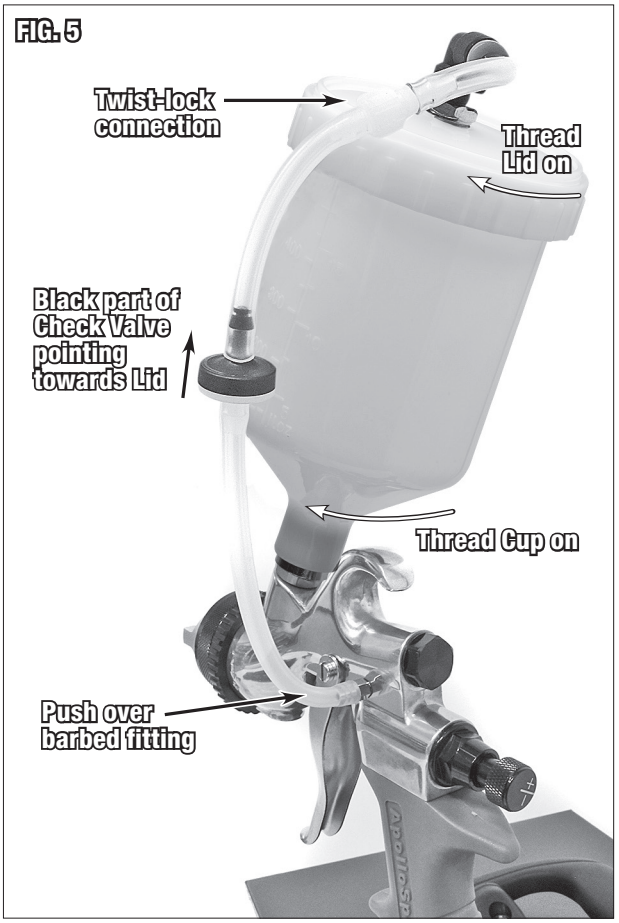
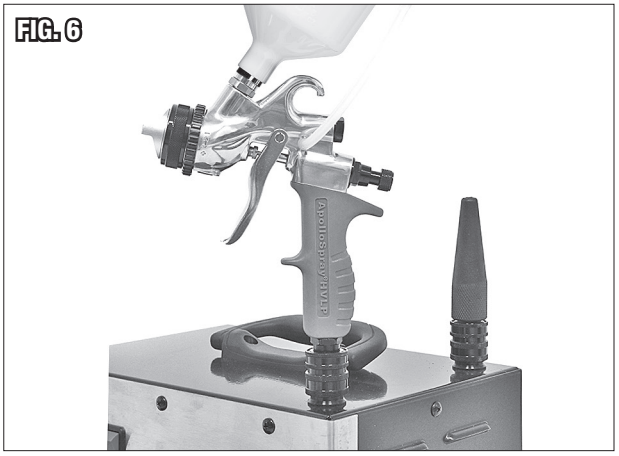


FIG. 6

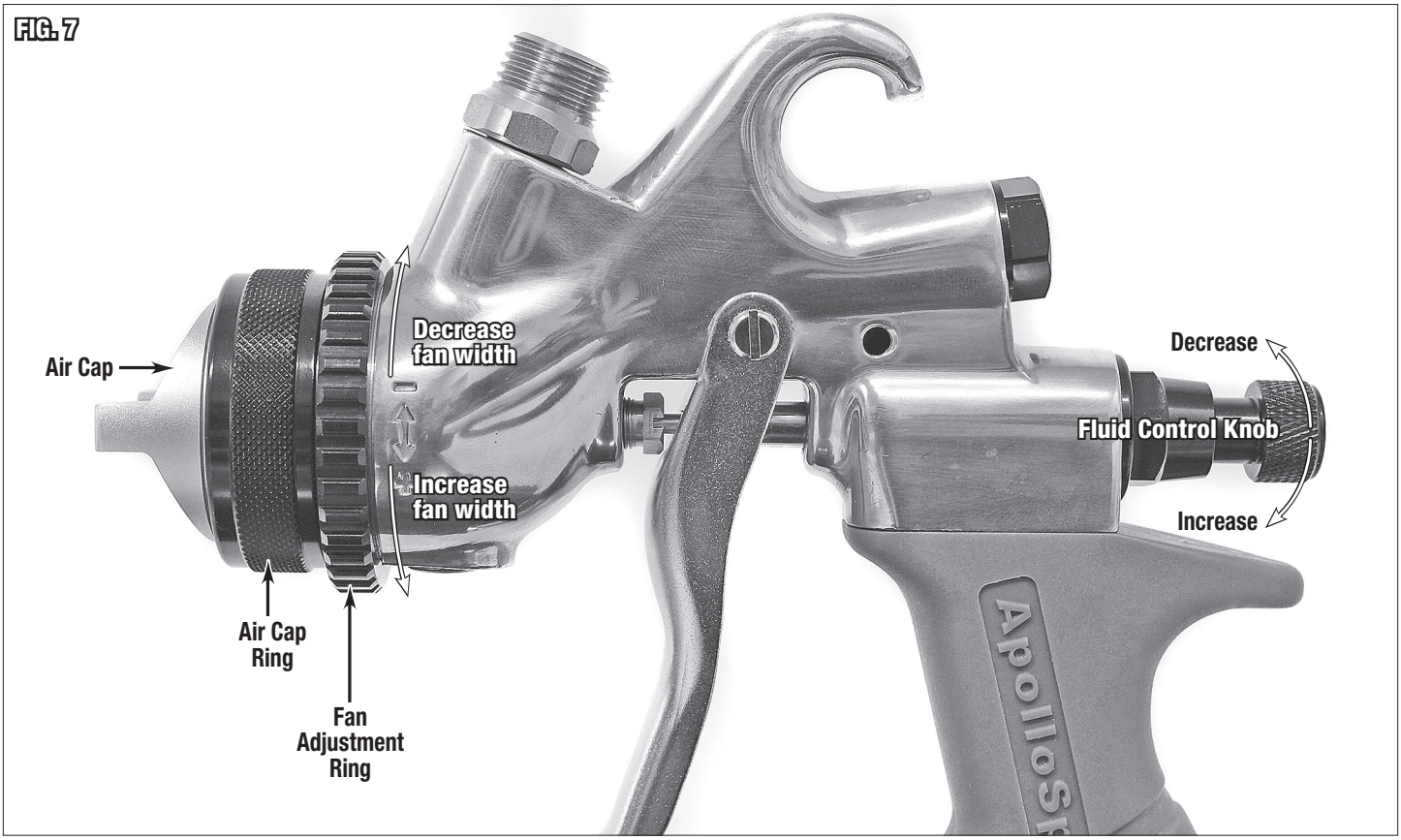


FAN/FLUID CONTROLS (FIG 7)

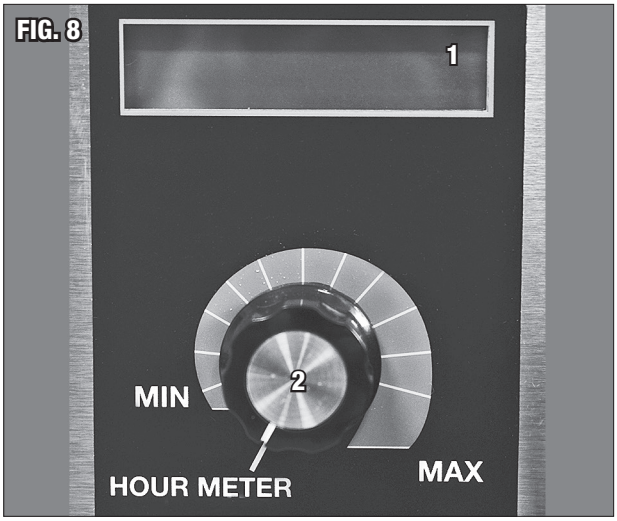
- **Air Cap/Air Cap Ring** - The orientation of the Air Cap dictates the orientation of the fan spray pattern. The Air Cap is rapidly adjustable by rotating it clockwise. If stiff at first, slightly loosen the Air Cap Ring by hand in the counterclockwise direction to free it. Rotate the Air Cap with the fan jets horizontal to get a vertical fan spray pattern. This is the most common orientation for spraying automotive projects, but a horizontal spray pattern may be preferred in some areas.
- **Fan Adjustment Ring** - This spray gun features a unique, rapidly adjustable fan pattern. Rotate the Fan Adjustment Ring clockwise (+) for a larger fan pattern. Rotate it counterclockwise (-) for a smaller fan pattern. Fully adjusting it counterclockwise (-) will result in a round, focused spray pattern for detailing small areas.
- **Fluid Control Knob** - Regulate the fluid flow by twisting the knob counterclockwise to allow more fluid past the Needle. With this system a wider opening is generally ideal for highest efficiency. Fine adjustments must be made due to variables such as paint viscosity and composition, air temperature, ambient humidity, barometric pressure and more. Twisting the knob clockwise will limit fluid flow. Adjusting it fully clockwise prevents fluid flow by blocking the Nozzle completely, even when the Trigger is depressed.

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 spray qualities. A small amount of product used at this point can avoid great disappointment in your results and the need to redo your work later.

FIG. 7



TURBINE AIR SUPPLY/CONTROL UNIT CONTROL PANEL (FIG 8)



The latest in turbine system technology enables this unit to control output air pressure to within 1/10th of a PSI. This model also has a digital filter maintenance warning, overheating control, and an hour meter.

1. **Digital Display.** Shows output PSI setting while operating, or hour meter Control Knob set fully counterclockwise. Will also display system messages:
   - **Chk Fltr** - Motor is not receiving enough cool, clean air. Check prefilters and air filters for flow restriction. Clean if clogged with dust and debris. Immediately address to prevent overheating.
   - **OverHeat** - Thermal limit has been exceeded and the unit will disable output until the temperature within the unit has dropped to a safe level for operation to resume. To reduce heat: clean or change prefilters and air filters, reduce pressure output setting.
   - **PwrPause** - The unit switches to power pause mode when the Spray Gun has not been triggered or released in more than 60 seconds. Before switching to power pause mode, an intermittent warning signal will sound for 5 seconds, followed by a solid tone for 5 seconds. The power pause mode automatically reduces the output pressure to reduce motor load and increase life expectancy/run time. Pressing the Trigger will resume normal operation.
   - **ShutDown** - After the unit has been in power pause mode for 15 minutes, it will automatically switch to shutdown mode. This will turn off the motor completely. Cycling the power switch will exit shutdown mode and resume normal operation.
     When finished using the unit, it is recommended to let it idle until shutdown mode engages. This will cool the unit much faster than simply switching it off.
2. **Control Knob.** Use to adjust output air pressure from MIN to MAX (0.1 - 11.5 PSI). Adjusting fully counterclockwise will disable output air and display the hour meter. **NEVER** simply set the knob to the maximum setting. Setting to max will result in the motor wearing and overheating faster without any benefit to the spraying performance.

SETTING OUTPUT AIR PRESSURE

The Eastwood 6 Stage Turbine Painting System features an advanced pressure control system that will automatically adjust the motor speed to compensate for barometric pressure and elevation. The pressure setting will always be extremely accurate and consistent.

The viscosity of the coating you want to spray will determine the amount of pressure needed. The thicker your viscosity, the more pressure you will need to atomize your coating. For highest efficiency, use the lowest pressure that produces the best atomization and finish results. If you experience “Orange Peel”, increase the pressure. If you have too much overspray, decrease the pressure.

When setting the output air pressure, you should only do so while the Hose and Spray Gun are connected, and while triggering the Spray Gun to allow airflow through it. This method will get you the most accurate pressure setting:

- Connect power to the unit, make sure the Hose and Spray Gun are connected and switch it **ON**.
- Before triggering the Spray Gun, adjust the Fluid Control Knob fully clockwise to block accidental fluid discharge from occurring.
- Hold the Spray Gun Trigger down and dial the Control Knob to adjust output. Clockwise will increase output and counterclockwise will decrease it. The pressure setting will not change from the set point unless the Control Knob is adjusted.
- NEVER simply set the knob to the maximum setting. Setting to max will result in the motor wearing and overheating faster without any benefit to the spraying performance. This is because the Spray Gun limits output pressure depending on which Needle/Nozzle and Air Cap combination is used.
- If you wish to find the maximum pressure the Spray Gun is capable of, hold the Trigger and slowly dial the Control Knob up until the pressure indicated does not increase anymore. That point is the limit of the Spray Gun and exceeding it will only overwork the motor.

Use the following chart as a general guide for setting the output air pressure:

SUGGESTED OUTPUT AIR PRESSURE SETTING	COATING TYPE
2 - 4 PSI	Low Viscosity Coatings
4 - 6 PSI	Medium Viscosity Coatings
6+ PSI	High Viscosity Coatings

SPRAYING OPERATION

⚠ DANGER **FIRE AND EXPLOSION HAZARD!**

- **DO NOT allow flammable paint spray or vapors to enter the air intake of the Turbine Air Supply/Control Unit! Keep the Turbine Air Supply/Control 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 100°F [38°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. 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.**
- **Always wear ANSI approved eye protection when utilizing this tool.**
- **Wear solvent-resistant gloves to prevent skin irritation from solvents and paint.**

⚠ CAUTION **INJURY HAZARD!**

The Spray Gun can quickly spray when handling while the unit is powered. Always unplug the Turbine Air Supply/Control Unit before adding paint, changing Nozzles, removing clogs or performing other maintenance on the Spray Gun.

- Carefully fill the Cup with your ready-to-spray paint mixture.
  NOTE: Follow the paint or coating manufacturer's instructions for thinning or reducing, if necessary. Thoroughly mix before pouring into the Cup. The use of a paint strainer when filling the Cup **(FIG 9)** is strongly recommended to minimize risk of Needle/Nozzle blockage.
- Make sure the unit is positioned on a secure, elevated, level surface as far from the spraying area as reasonably possible to reduce overspray intake through the filters.
- Test your spray pattern on a piece of cardboard to verify everything is functioning as expected. If adjustment is needed, review the setting guidance in the prior two sections of this manual.
- When satisfied, begin spraying the work surface. Keeping the Nozzle 4" to 6" away from the surface is ideal.
- Hold the Spray Gun perpendicular to the work surface and move in a smooth parallel sweeping motion along the surface to keep the coating thickness level. Moving the spray gun in an arc or varying your distance from the surface will have poor results. When done with a "pass" always release the Trigger before sweeping up to begin the next pass.
- Some overlap is normal, and it varies depending on the coating being applied. Generally, 50% - 75% overlap is a good range for this gun with a medium bodied coating.
- When between coatings or when finished spraying allow the unit to run. It will automatically reduce output and cool the unit faster than shutting it off. See **TURBINE AIR SUPPLY/CONTROL UNIT CONTROL PANEL** for more information about the automatic power pause and shutdown modes.

FIG. 9

CLEAN UP

⚠ WARNING HEALTH HAZARD!
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 gases.

- First, disconnect the unit from the power supply.
- Remove the Cup and pour unused coating into a proper container.
- Disconnect the Hose from the Spray Gun.

PAINT GUN BASIC DISASSEMBLY FOR NORMAL CLEANING

- Empty any unused material (paint) from the Cup and wash out any residue with an appropriate solvent compatible with the coating, or water if using water-based material. Partially fill the Cup with solvent and run through the Gun to flush out the fluid passages.
- Remove the Air Cap **(FIG 7)** and clean. Ensure that all the air holes in the Air Cap are clear.
- Using a brush and solvent, remove any paint deposits on the outer surface of the Nozzle **(FIG 10)**.
- Unscrew to remove the Fluid Control Knob **(FIG 11)**.
- Remove the Needle Spring **(FIG 11)**.
- Pull the Trigger and then pull the Needle **(FIG 11)** out through the back of the Spray Gun.
- Remove the Nozzle with the Spray Gun Wrench **[G] (FIG 12)**.
  NOTE: Be careful when removing the Nozzle. Nothing will be holding the remaining components on.
- Clean both Nozzle and Needle assembly using appropriate solvent or water and a brush.
- Make sure to use Spray Gun Lube **[F]** on the Needle Spring, the Air Valve Stem and the Gland Seal to prevent the Needle from sticking. To adjust the Gland Nut **(FIG 13)**, tighten until the Needle sticks slightly when Trigger is pulled, then back off the nut about 1/8th turn. Do not over-tighten the Gland Nut or the Needle will stick. Do not under tighten or the Gland Seal will leak.
- Check the Cup Lid Seal and replace if damaged. Always seat the Lid Seal flat in the Lid groove. Failure to do this will allow the Lid to drip and impair the spray pattern due to loss of Cup pressure.

FIG. 10

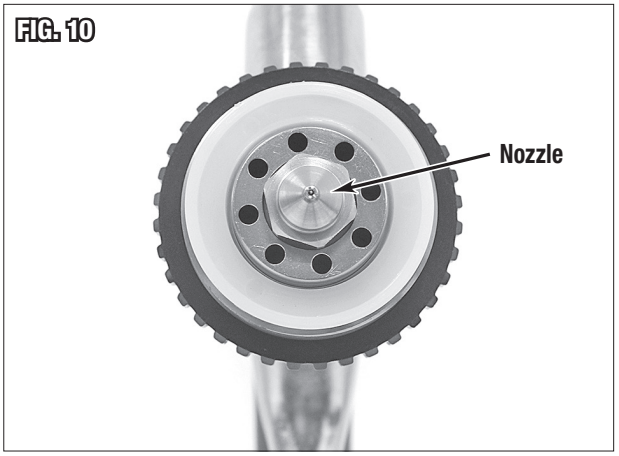


FIG. 11

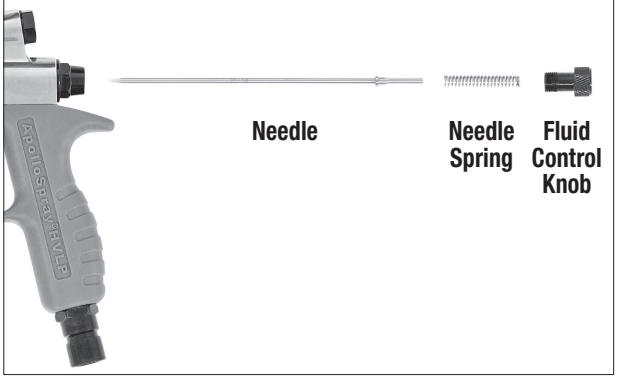


FIG. 12

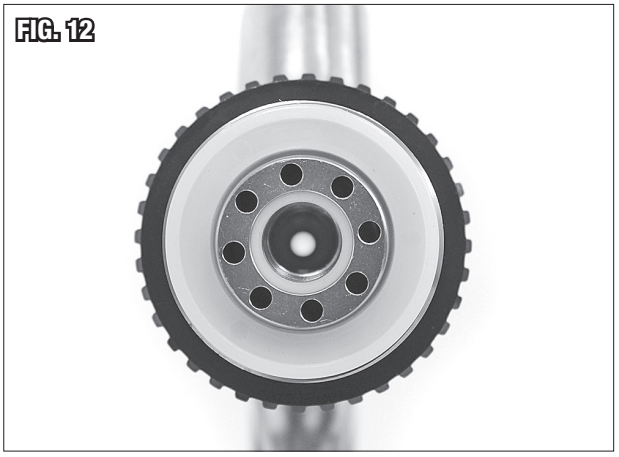
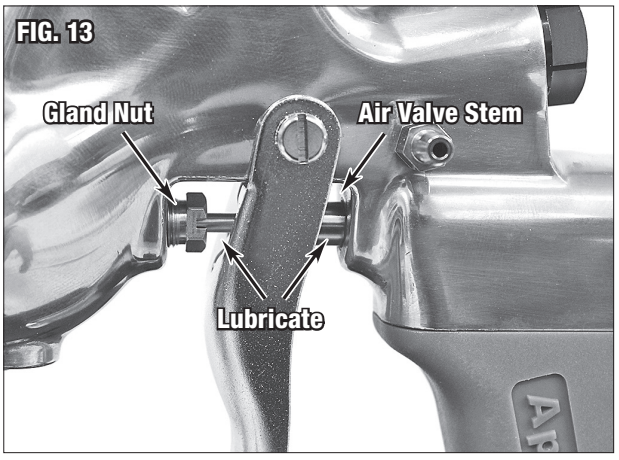


FIG. 13



ADVANCED DISASSEMBLY FOR REBUILD/REPAIR

- Follow steps above for partial cleaning.
- To further disassemble the Spray Gun now that you have already removed the Air Cap Ring, Air Cap, Nozzle and Needle assembly, locate the Air Cap Seal. To remove the Air Cap seal, lay the Spray Gun on its side **(FIG 14)**.
- Locate the small notch on the Air Cap Seal **(FIG 14)**. You can rotate the notch to a comfortable position for removal.
- Place the flat tip of the Spray Gun Wrench **[G]** in the Air Cap Seal notch. Push in and pry up until the Air Cap Seal pops out. Clean if necessary.
- Remove the Air Distributor **(FIG 15)** and clean if necessary. You may pry the Nozzle Seal out to clean as well.
- Remove the Fan Adjustment Ring and Air Distributor Plate **(FIG 16)**. The Air Distributor Plate is set lightly in the Ring and can be pushed out. Clean them both if necessary.
  NOTE: Make sure you reassemble the two pieces correctly or you will not have any fan pattern adjustment.
- Remove the Fan Adjustment Seal **(FIG 17)**. Clean if necessary.

REASSEMBLY FOR REBUILD/REPAIR

- Insert the Fan Adjustment Seal **(FIG 17)**.
- Set the Fan Adjustment Ring and Air Distributor Plate **(FIG 16)** in place.
  NOTE: If you have separated these two pieces it is critical that the white Air Distributor Plate is correctly placed on the Fan Adjustment Ring. The orientation is with the round screw hole at the 5 o'clock position and the slot at the 6 o'clock **(FIG 16)**.
- Align the components so the Air Distributor Locating Pin **(FIG 18)** goes through the Air Distributor Plate, past the Fan Adjustment Ring and into the locating hole on the Spray Gun **(FIG 17)**.
- Verify the Nozzle Seal is installed to the Air Distributor **(FIG 15)**.
- Reinstall the Nozzle by hand and snug it with the Spray Gun Wrench **[G]**.
- Snap the Air Cap Seal back into the Air Distributor with the notch in your desired orientation.
- Carefully insert the Needle back into the Spray Gun. Install the Needle Spring and Fluid Control Knob.
- Install Air Cap and Air Cap Ring. Spray Gun is now re-assembled and ready to use.

FIG. 14

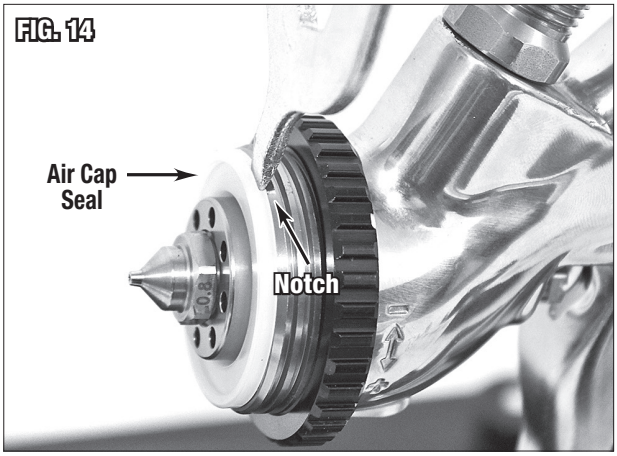


FIG. 15

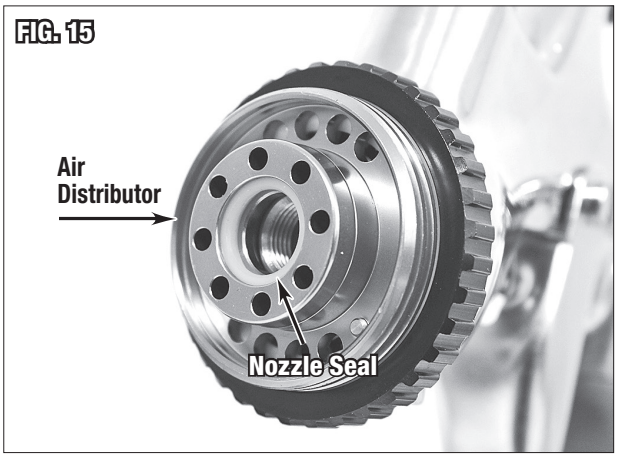


FIG. 16

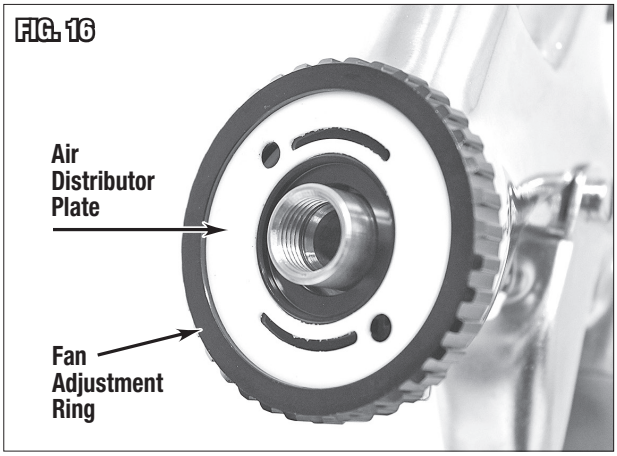


FIG. 17

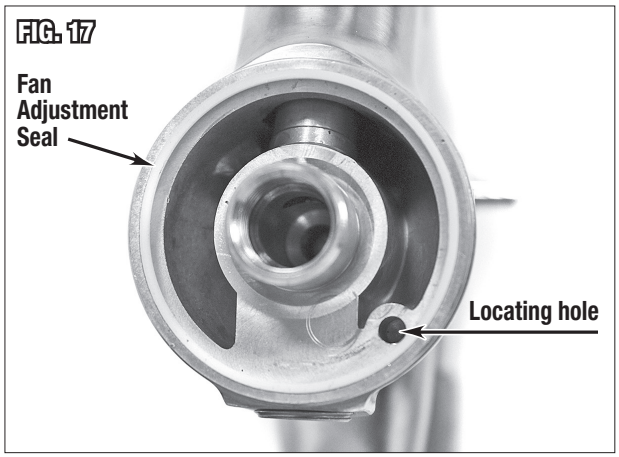
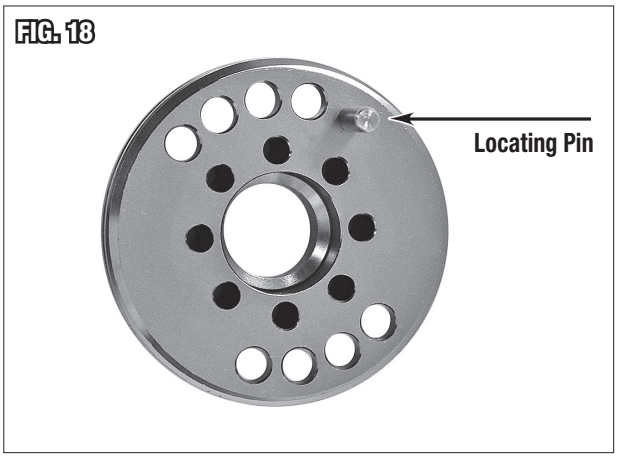


FIG. 18



MAINTENANCE

PAINT GUN

After reassembly, after cleaning, or periodically with frequent use, apply Gun Lubricant (included) to lubricate the Air Valve Stem and Gland Seal to prevent the Needle from sticking **(FIG 13)**.

FILTERS

Check, clean and replace your filters and pre-filters as described below. It is very important that your motor has cool, clean air to operate efficiently. If you maintain your filters and prefilters well, you will enjoy many years of long service from your turbine motor.

After every use: Remove and inspect the prefilters by carefully slipping them over the Air Filter Caps **(FIG 19)**. If they appear dirty or clogged, wash with a mild soap and warm water. The filters must be completely dry before reinstalling. If unable to clean with soap and water, replace with new prefilters.

Every 10 hours: Remove and inspect the main filters by removing the Acorn Nuts **(FIG 20)**. The Air Filter Caps and Filters will then slide off. Hold the filters up to a light. If you cannot see light through more than 50% of the filter, replace the filter element. If only lightly contaminated, knock dust out or blow from the inside out with compressed air. You may also wash with a mild soap and warm water, but the filters must be completely dry before reinstalling.

⚠ NOTICE

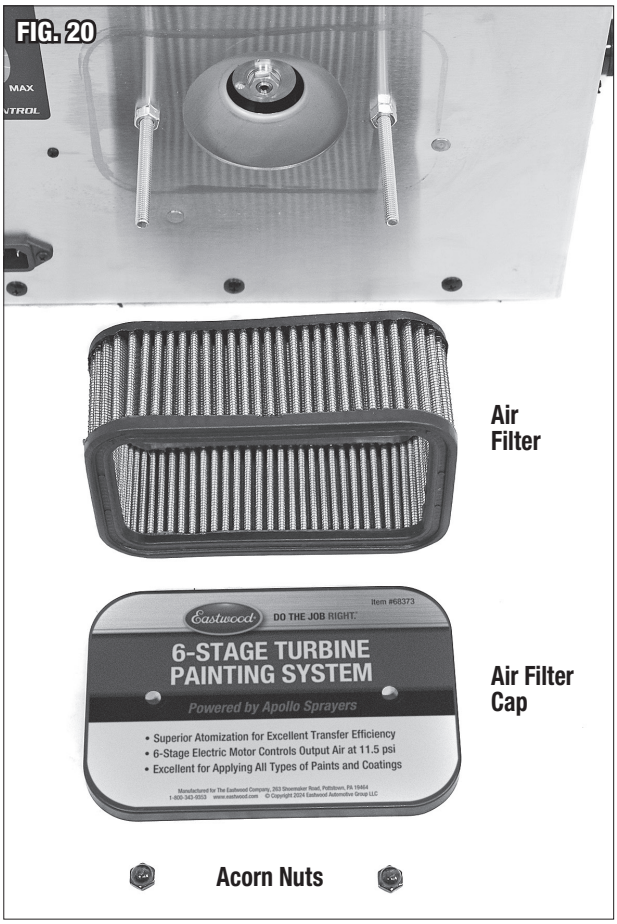
- **After washing the filters, they must be completely dried before installation and use. Wet filters can damage the unit and will void its warranty.**
- **NEVER operate without both filters and pre-filters installed and clean.**
- **When checking filters, also inspect the Power Cord and Hose for cuts, kinks or any other damage.**
- **Cleaning may be required more often in dirty conditions.**
- **The Filters may be damaged if more than 50 PSI of air pressure is used to blow them out.**

TURBINE UNIT

The Eastwood 6 Stage Turbine Painting System requires little maintenance. The turbine motor has sealed bearings that are lubricated for life. For the longevity of the motor, carbon brushes MUST be replaced every 200-300 running hours. Motor warranty will be voided if brushes are not replaced within 400 running hours. Arrange for service at designated Apollo service center at
https://hvlp.com/warranty-non-warranty-repair-request/
or call (888) 900-4857.

FIG. 19

FIG. 20



STORAGE

- Store the Spray Gun on the docking points at the top of the unit cabinet **(FIG A)**.
- Cover with a plastic trash bag and keep entire unit in a clean, dry environment.

TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
Gun Produces an Uneven Spray Pattern or Fan	Paint or Film Buildup on Air Cap Blocking Air Holes	Unplug unit and clean buildup from Air Cap.
Gun "Spits" or Sputters; Discharges Large Droplets	Paint or Film Buildup On Needle and Nozzle	Unplug unit and clean buildup from Needle & Nozzle. The use of solvent may be helpful, and removal of the Nozzle may be necessary.
Gun Sprays Only a Small Amount of Paint or None At All	Clump or Piece of Paint Film Blocking Paint Path	Unplug unit and remove Paint Cup. Clear blockage from the paint path of gun, then strain paint or coating to remove clumps or film.
	Cup Not Pressurizing	Verify function of Check Valve and correct orientation. Black side points towards top of Cup. Replace if damaged.
		Check Cup Air Feed Fitting and Line, unblock if needed or straighten line kink.
		Make sure the Cup and Cup Lid are tight, and the Cup Lid Seal is not leaking. Replace if damaged.
Overheats Too Fast	Output Air Pressure Setting Too High	Reduce output air pressure setting or reduce spraying time. See **SETTING OUTPUT AIR PRESSURE.**
	Filters Clogged	Remove, inspect, and clean or replace filters. See **FILTERS** for more information.
Excessive Overspray	Spray Gun Too Far From Surface	Hold the Spray Gun closer to your work surface.
	Fluid Flow rate Too High	Dial Fluid Control Knob clockwise to gradually reduce fluid flow.
	Nozzle and Needle Too Large	Consider smaller Nozzle/Needle pairing.
	Too Much Pressure	Reduce output air pressure setting.
Too Much Orange Peel	Too Little Pressure	Increase output air pressure setting.
	Coating Not Adequately Thinned	Thin out coating more before application.
	Spray Gun Too Far From Surface	Hold the Spray Gun closer to your work surface.
Finish Looks Like Dry Mist or Application Speed Too Slow	Fluid Flow rate Too Low	Dial Fluid Control Knob counterclockwise to gradually increase fluid flow.
	Spray Gun Movements Too Fast	Slow down your travel rate when applying, let the coat build.
	Spray Gun Too Far From Surface	Hold the Spray Gun closer to your work surface.
	Coating Not Adequately Thinned	Thin out coating more before application.
Air Cap or Fan Adjustment Ring Stiff	Tight Manufacturing Tolerances	From the factory the Air Cap or Fan Adjustment Ring sliding surfaces might be stiff due to the tight manufacturing tolerances employed. Working the components back and forth a dozen times will break them into smooth but tight operation.
Fan Adjustment Ring Only Produces Round Spray Pattern	Air Distributor Plate Assembled Incorrectly	Flip Air Distributor Plate orientation, see **(FIG 16)**.

NOTES

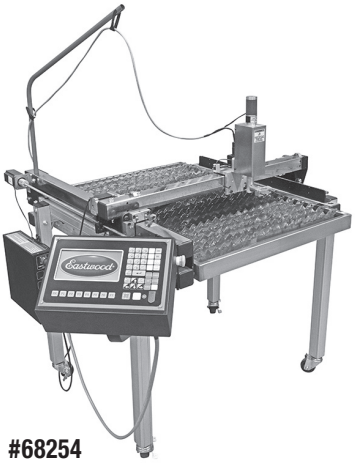
NOTES

ADDITIONAL ITEMS

R&D MUST-HAVE ACCESSORIES

#55001
Eastwood Concours
Paint Gun Stand

#98068
Eastwood Elite Contour DSB
Master Kit with Sandpaper



#68254
Eastwood Versa-Cut
2X2 CNC Plasma Table

AIR CAPS

#15341	CC Air Cap
#15342	C, HS Air Cap

NEEDLE/NOZZLE SET

#15335	0.5mm Needle/Nozzle Set
#15336	0.8mm Needle/Nozzle Set
#15337	1.0mm Needle/Nozzle Set
#15338	1.3mm Needle/Nozzle Set
#15339	1.5mm Needle/Nozzle Set
#15340	1.8mm Needle/Nozzle Set

OPTIONAL ITEMS

#10041Z	Eastwood PRE Painting Prep, Aerosol
#12846Z	Eastwood Aerosol Injected Cleaner
#14831A / 14832A	Respirators (M / L)
#20403 / 20406	Painters Coveralls (L / XL)

Additional parts and accessories can be purchased from Apollo Sprayers directly.

Visit eastwood.com for complete info and pricing.

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
PDF version of this manual is available at eastwood.com
The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA 800.343.9353 eastwood.com