E7700-GTO™ Spray Gun Instruction Manual

This manual contains important warnings and instructions.
Please read these instructions carefully and keep for your reference.

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1. Safety

Read all instructions and safety precautions before operating the unit.

⚠ DANGER

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

⚠WARNING

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

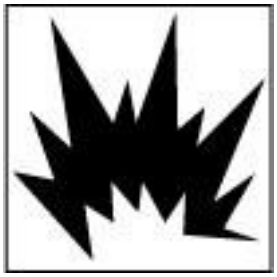
⚠CAUTION

Indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates a situation that could result in damage to the equipment or other property.

⚠WARNING



Risk of fire or explosion! Solvent and paint fumes can explode or ignite, causing severe injury and property damage.

Paints and solvents containing HALOGENATED HYDROCARBONS can react explosively with aluminum. Always check the product's label before using these materials in the unit.

Hazardous vapors: Paint, solvents, insecticides and other materials may be harmful if inhaled, causing severe nausea, fainting or poisoning.

Make sure the room is well ventilated. Avoid all ignition sources, such as static electricity, sparks, open flames, hot objects, sparks from connecting and disconnecting power cords, and working light switches.

Follow the material and solvent manufacturers' safety precautions and warnings. Do not use liquids with flash points less than 100° F (38° C).

Static electricity can be produced by HVLP spraying. Make sure any electrically conductive object being sprayed is grounded to prevent static sparking. The sprayer is grounded to prevent static sparking. The sprayer is grounded through the electrical cord.

Use a respirator or mask whenever there is a chance that vapors may be inhaled. Read all instructions with the mask to ensure that the mask will provide the necessary protection against the inhalation of harmful vapors.

Do not carry the turbine while spraying.

Keep the turbine at the maximum distance from the spraying area.

NOTICE

Tipping the spray gun causes the spray gun to clog. Dried spray material also clogs the pressure delivery tube and fittings. The spray gun does not function when clogging occurs.

When not in use, be sure to disconnect the hose and place the spray gun into the Handi-Hold™ Docking Station on the turbine to avoid tipping.

2. E7700-GTO™HVLP Spray Guns

CONGRATULATIONS!! You have just purchased the E7700-GTO Spray gun, the finest spray gun available to spray cars, boats and airplanes. When combined with one of our turbo finishing systems you find that you will enjoy the great benefits of the TrueHVLP. Our designs are the result of over 40 years of experience in manufacturing HVLP turbo spray systems and spray guns. We have painstakingly worked and consulted with professional spray finishers in your industry to bring you this versatile, well-engineered tool.

Whether you are new to spray finishing, you have spray finished before, or are just new to spraying; there are some basic spray finishing guidelines that will help you to achieve the best results and optimum success from your new equipment. Reading this information carefully and following these simple steps will ensure that you get the best performance and results from your new TrueHVLP™ spray gun.

Check the contents of your box. The following are included:

(1) E7700-GTO™ Spray gun	(1) Air Feed Connector
(1) Instruction Manual	(1) Cleaning Brush
(1) Wrench	(1) Spray Gun Lube
(1) Non-return valve	(1) 600cc Cup Top Gasket

3. How Your E7700-GTO™ Spray Gun Works

Your E7700-GTO™ Spray gun operates similar to a typical compressed air spray gun with some minor differences. The cup on your E7700-GTO™ spray gun is pressurized through the air feed tube. This will help deliver fluid to the tip/nozzle and produce a larger fan pattern. It is possible to use the E7700-GTO™ spray gun without the air feed tube connected, but only with certain types of paints and using larger needle and nozzle sizes. You will notice a much smaller fan pattern when using the spray guns without the air feed tube connected.

When the material adjustment screw is opened and the trigger pulled back, fluid flows through the tip/nozzle mixing with the air flow delivered from the air cap and projects a fine atomized mist to your work piece. You can adjust the fluid flow by opening or closing the material adjustment screw to your liking. The fan adjustment ring is located in the front of the spray gun. Locate the adjustment marks on the side of the spray gun body. Turn the fan control ring up to achieve a smaller fan or down to achieve a larger fan.

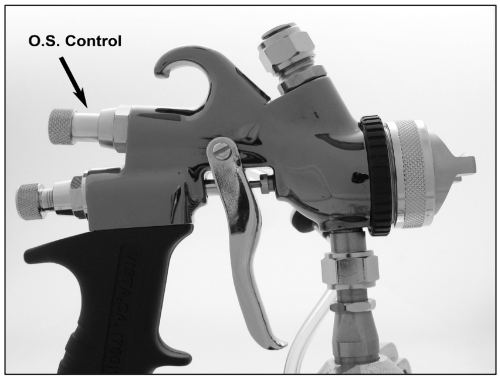
4. The E7700-GTO & Turbine Systems

The E7700 is a standard turbine spray gun – non-bleed type. When the turbine is turned on, NO air will flow through the spray gun. When the trigger is partially pulled, air will flow through the air cap. When the trigger is fully pulled, paint will flow through the nozzle (tip) to meet the air flow, atomize and project to your work surface. **It is most important that your turbine system be equipped with a proper internal air relief valve to handle the back pressure when the trigger is released and the turbine is running.**

If you are using the Apollo E7700 spray gun with a turbine system other than one manufactured by APOLLO, it is advised to inquire with the turbine manufacturer to determine if your unit is configured to accept a non-bleed spray gun. If you are not sure, or if you cannot get accurate information, it is strongly advised that you install Apollo part number A7538A prior to using the E7700 spray gun.

4.1 O.S. – Overspray Control/Texturing Feature

The O.S. control will permit the safe reduction of air flow and air pressure from the turbine, when necessary. The O.S. control should be used if an extremely thin coating or low viscosity product is being sprayed and you desire to reduce atomizing pressure to achieve maximum efficiency and the least amount of overspray for your turbine unit. The O.S. control can also be used to create a textured or splatter effect with selected coatings.



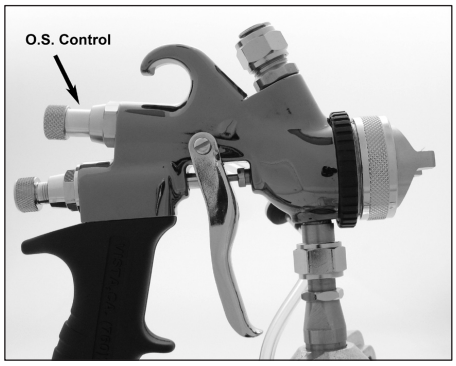
5. Setup

5.1 Installing Air Relief Mechanism (Turbine Systems Only)

As previously noted, Apollo Models 725, 825, 835, 835VR, 1025, 1035, 1040VR,1050, 1050VR, Falcon Series, Power Series and Precision Series have an air relief mechanism internally installed and **DO NOT** require an external air relief mechanism. All other Apollo Models require the installation of Apollo Part # A7538A to the turbine air outlet prior to operating the 7700 spray gun

The air relief mechanism Part #A7538A must also be installed on ANY MAKE turbine system that does not have an air relief mechanism installed. If using with a system other than Apollo, please check with the manufacturer to determine if a non-bleed spray gun can be safely operated on your system. If not, install Part #A7538A before operating the 7700 spray gun.

5.2 Using the O.S. (Overspray) Control



Keep the O.S. control in the full open position when not in use. Rotate the O.S. Control air flow screw counterclockwise (anti-clockwise) until it stops, this is its full open position.

To operate, turn the air flow control screw clockwise at least 2/3 of the way in. Test spray to see if the reduced flow of air reduces overspray/pressure to your desire. If not, continue to rotate the air flow control screw until the desired results are achieved. Be sure that you still have enough pressure to atomize your coating to provide a good quality finish. If not, increase the air flow by turning the screw counterclockwise until you feel you have the most efficient results.

To create a textured or splattered paint effect, turn the air control screw all the way closed (clockwise). Do not thin your paint, or if you have to, thin it very slightly to permit it to flow. Hold the spray gun further back from the work piece than you normally would for regular finish spraying, at least 8” or more. You should now have a splatter effect. Adjust paint viscosity accordingly to produce desired particle size.

In order to properly protect your turbine, you cannot completely shut off the air flow with the OS Control.

If you still feel that you are experiencing overspray, please refer to your instruction manual or to our website FAQ pages for additional information.

5.3 Mounting Your E7700-GTO Spray Gun Cup

Good quality results with your spray finishing equipment are a combination of careful preparation of your surface, a proper spraying environment and a basic knowledge of the coatings you will be using and how these coatings work with your finishing equipment.

Your E7700-GTO spray gun comes with one of 3 sizes gravity feed cup assemblies, 250cc, 600cc or 1000cc. Some minor assembly is required:

1. Screw the cup to the material connector on the top of the spray gun body.

2. Remove the screw in the side of the spray gun body using the wrench (spanner) provided.

3. Screw the air feed connector onto the side of the spray gun body.

4. Push the air feed tube onto the air feed connector.

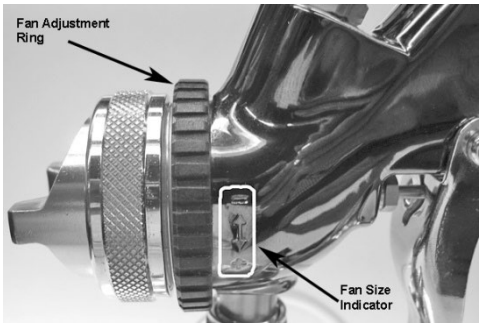
5. Push the other end of the air feed tube onto the cup lid connector.

NOTE:
Make sure you attach the air feed tube so that the <u>black</u> end of the air valve is pointing towards the cup lid as shown in the illustration.

NOTE:
Above the non-return valve you will see an air relief valve. The purpose of this valve it to release pressure from the cup prior to opening the cup lid to prevent paint splatter. To release the pressure all you need to do is twist the two halves of the air relief valve and pull them apart. You will hear the air escape

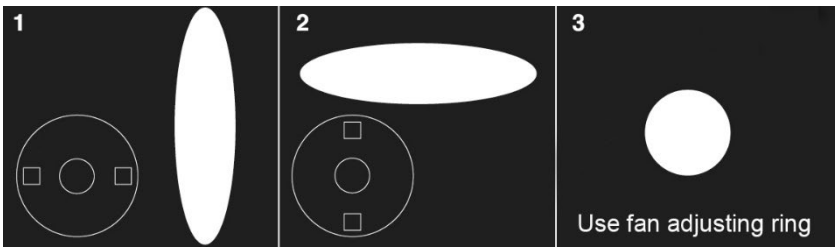
from the cup. Reattach before spraying again. Do not mix the air relief valve with solvent as it is not made for direct contact with solvent.

6 Operating your E7700-GTO Spray Gun



The E7700-GTO spray gun has a unique and simple fan pattern control. Locate the Fan Adjustment Ring in the front of the spray gun. Turn the spray gun on its side and notice the fan size indicator stamped into the spray head casting, just to the right of the fan adjustment ring. You will notice that there is a “-” sign at the top and a “+” sign at the bottom with two arrows indicating the direction of rotation. Rotating the ring UPWARD will begin to reduce the size of the fan pattern until the pattern is round. Rotating the ring DOWNWARD will provide a full, open, wide pattern. (Relative to the distance the spray gun is held from the work surface).

To adjust the direction of the fan pattern, loosen the air cap ring, (Fig. 1) rotate the air cap ears (Fig. 2) to either a vertical or horizontal position as noted in the diagram. This will provide your vertical or horizontal fan pattern.



Spray Patterns

Fig. 1 Use this position when spraying across from side to side.
Fig. 2 Use this position when spraying from top to bottom.
Fig. 3 Use this position for spotting small objects, corners and sharp angles and touch up.

Install the appropriate fluid nozzle, needle assembly and color-coded air cap (A, B, C or D) for the viscosity of the fluid being sprayed. See Chart B for recommendations. Prepare your coating as you would normally, (Thinning if necessary). Filter and pour into spray gun cup.

Chart A

Nozzle, Needle and Air Caps for E7700-GTO™ Spray Guns

FLUID NOZZLES, NEEDLE ASSEMBLIES, AIR CAPS & VISCOSITY			
TIP/NEEDLE SIZE	**APPLICATION**	**VISCOSITY ZAHN #2**	**AIR CAP**
0.8MM (.031)	Inks, Dyes, Stains, extremely thin viscosity fluids, Water based finishes	16 seconds	A
1.0MM (.039)	All purpose, thin lacquers, thin enamels, Water based finishes, Automotive, Marine, Airplane finish	16-18 seconds	B or B-HS
1.3MM (0.051)	Same as 1.0mm above except slightly higher viscosity	17-20 seconds	B or B-HS
1.5MM (.059)	Catalyzed lacquers, Conversion Varnish, Primers, Automotive, Marine, Airplane finishes, Varnish, High Viscosity Industrial Coatings, Urethanes, Enamels.	18-24 seconds	B or B-HS
1.8MM (0.07)	Same as 1.5mm above except slightly higher viscosity	20-22 seconds	C or C-HS
2.0MM (.079)	Thinned latex paint, Multi-spec, Heavy Primers, Butyrate, nitrate dope, High Viscosity Industrial Coatings	24-35 seconds	C or C-HS
2.5MM (.098)	Thinned latex paint, Multi-spec, Solvent adhesives, Wax based strippers	35+ seconds	D or D-HS

7700 Nozzles and Needle Identification

When pairing the 7700 needles and nozzles together it is important to look at the markings on both the needle and the nozzle. The nozzle has the actual size laser marked onto the side of the nozzle itself. The needle has a stock number laser marked onto the shaft. The first 3 numbers of the stock number do not mean anything. The last 3-4 numbers are the size of the needle.

Below, we have put together a chart showing what the various nozzle sizes we offer for the 7700 series spray gun and the corresponding needle identification numbers which they are paired with. If you have any questions, please give customer service a call at 1-888-900-4857.

Nozzle Size	Needle Identification
0.8mm	20108
1.0mm	20110
1.3mm	2011315
1.5mm	2011315
1.8mm	2011820
2.0mm	2011820
2.5mm	20125

Please note: The 1.3mm and 1.5mm nozzles use the same size needle. The 1.8mm and 2.0mm nozzles use the same size needle also. All other size nozzles are paired with only one needle size.

NOTE: Every time you change nozzle sizes you will need to reseat the air distributor gasket, item #5. To do so, pull it out of the front of the air distributor and reinstall it so that it is flush with the front of the air distributor.

Viscosity Chart Guideline		
Coating	**Thin/Reduce**	**Viscosity in Seconds**
Lacquers	25% - 50%	15-22 seconds
Sanding Sealer	20% - 30%	15-22 seconds
Enamels	20% - 40%	16-22 seconds

Stains	use from can	15 seconds
Acrylic Enamel	50% - 60%	15-17 seconds
Catalyzed Polyurethane	10% - 30%	15-18 seconds
Varnishes	20% - 30%	16-22 seconds
Waterbase Coatings	00% - 10%	24-34 seconds

Chart B

Viscosity Cup Comparison

Viscosity chart should be used as a guide to thinning various coatings. Follow reduction guidelines provided by paint manufacturer. Using a slow solvent or hot temperature solvent will enhance results with turbospray technology and is strongly recommended.

Zahn Cup sec (#2)	Zahn Cup sec (#4)	Ford cup sec (#3)	Ford cup sec (#4)	Poise P	Centi-poise cP	Krebs KU	Saybolt SSU
16			5	0.1	10		60
17			8		15		80
18		12	10	0.2	20		100
19		15	12		25		130
20		19	15	0.3	30		150
22		25	17	0.4	40		210
24		29	19	0.5	50	30	250
27		33	21	0.6	60	33	320
30		36	23	0.7	70	35	370
34		41	26	0.8	80	37	430
37		45	29	0.9	90	38	480
41	10	50	31	1	100	40	530
49	11	58	36	1.2	120	43	580
53	13	66	41	1.4	140	46	690
56	14	67	45	1.6	160	48	790
74	16		51	1.8	180	50	900

Connect the appropriate air hose to the spray gun. Begin turning the material adjustment screw (#19) anti or counter clockwise 1 – 2 full turns. Look at the size of the fluid pattern and flow volume. Adjust before applying material to your substrate. If you have too much fluid flow, turn the material adjustment screw clockwise. If you do not have enough fluid flow, adjust the material adjustment screw anti/counter clockwise. Hold spray gun 4” – 8” (10cm-20cm) from your work surface depending on the size of your substrate. Closer is generally preferred for highest efficiency and the least amount of overspray. Follow the proper spray technique as outlined in the spray technique diagram. You can increase or decrease the fluid flow as desired as well as the distance from your work surface as necessary. Adjust the Fan Adjustment Ring as desired.

6.1 Spray Gun Technique

Like any skill, practice makes perfect. Never try to rush the spray finishing process. Learn the characteristics of the coating you will be spraying. Build up layers of material. Sand between coats and allow proper drying time between applications.

Here are some general guidelines for effective spray finishing:

1. Remember to always keep the distance between the spray gun and the surface the same when moving across your work, (or up and down) called a “pass”. Do not rotate or turn your wrist from side to side. See Chart C below.

2. Move the spray gun across your work from end to end.

3. Be sure to maintain the same speed of movement. This ensures an even application of coating.

4. At the end of a “pass” always release the trigger. To continue, spray in the opposite direction and overlap your previous coat by 1/3 to 1/2.

5. When finished you should have an even wet coat on your work. If you have dry spots you have overlapped too wide. If you have heavy or wet spots, you have overlapped too much or moved the spray gun too slowly.

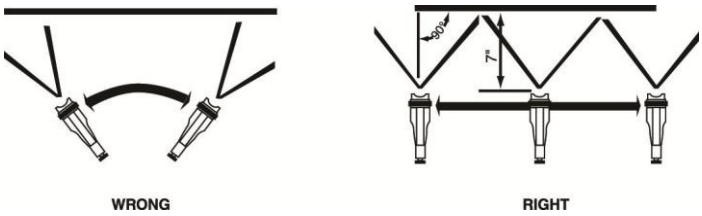
6. When spraying an entire car, start at the top and work down.

7. Try to spray the hard to reach and underneath surfaces first.

Common sense and some forethought will prevent errors. Remember, that a light wet film will generally produce better results than a heavy wet coat. When spraying a vertical surface it is advisable to apply a thin/light “tack” coat first, followed by a normal light wet coat. This technique will help prevent “runs” and “sags”.

Chart C

Spray Gun Technique



When using your Spray Gun you control five variables:

1. Fluid flow.

2. Distance of the spray gun from your work. 4”-8” (10-20cm) is ideal. Closer if necessary.

3. Pattern direction (vertical fan, horizontal fan and round).

4. Speed of application.

5. Fan pattern width.

NOTE: Items 1, 2, and 4 directly relate to each other.

6.2 Cleaning Your E7700-GTO Spray Gun

After you have finished spraying, follow these simple steps to clean your E7700-GTO spray gun:

6.2.1 Partial Cleaning

Cleaning your E7700-GTO spray gun does not have to be a difficult task. Often, when spraying a variety of clear coatings, a thorough rinsing and wiping of basic parts is all that may be necessary. The basic steps below are for simple and easy cleaning of your E7700-GTO spray gun.

1. Empty any unused material (paint) from the cup and wash out any residue with an appropriate cleaner compatible with the coating, or water if using water-based material. Partially fill the cup with cleaner and spray through the gun to flush out the material passages.
2. Remove the Air Cap (#2) and clean. Ensure that all the air holes in the air cap are clean.
3. Using a brush and solvent, remove any paint deposits on the outer surface of the tip/nozzle (#3). (Apollo FS1900 cleaning brush kit recommended).
4. Unscrew and remove the Material Adjustment Screw (#19).
5. Remove the needle spring (#20).
6. Pull the trigger and then pull the needle (#21) out through the back of the spray gun.
7. Remove the fluid nozzle (#3) with the wrench (spanner) provided.

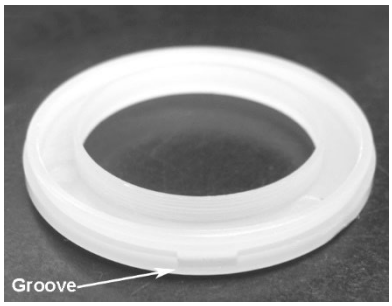
8. Clean both fluid nozzle and needle assembly using cleaner or water and a brush.
9. Reassemble following the instructions in the next section for thorough cleaning. Make sure to oil the needle spring (#20), the Air Valve Stem (#14) and the Gland Seal (#24) to prevent the needle from sticking.
10. To adjust the Gland nut (#23) tighten until the needle sticks, then back off the nut about 1/8 turn. Do not over tighten the gland nut or the needle will stick. Do not under tighten or the Gland Seal will leak.
11. Check the Cup Top Gasket and replace if damaged. Always seat the cup top gasket flat in the cup groove. Failure to do this will allow the cup to drip and impair the spray pattern due to loss of cup pressure.

6.2.2 Thorough Cleaning

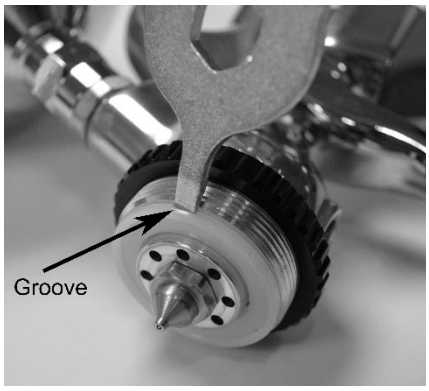
Follow steps above for partial cleaning.

To further disassemble the spray gun now that you have already removed the air cap ring (#1), air cap (#2), fluid nozzle (#3) and needle (#21), locate the air cap seal (#4). To remove the air cap seal, lay the spray gun on its side.

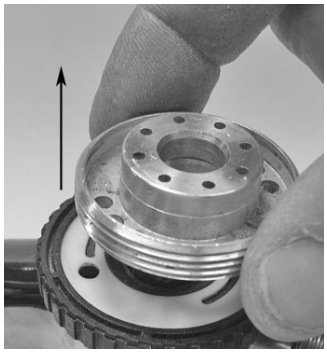
1. Locate the small groove on the air cap seal. You can rotate the groove to a comfortable position for removal. (3 o'clock or 9 o'clock).



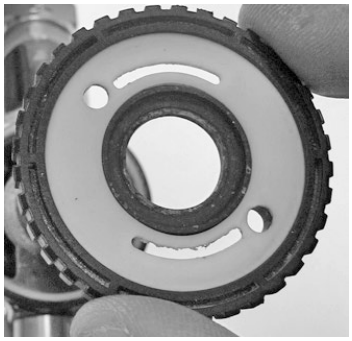
2. Place the flat tip of the wrench (spanner) in the air cap seal groove. Push in and pry up until the air cap seal pops out. (Clean if necessary).



3. Remove the air distributor (#6) and clean if necessary.



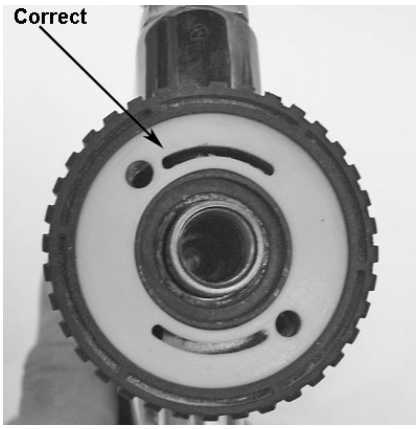
4. Remove the fan adjustment ring (#8) and air distributor plate (#7). The air distributor plate is attached to the ring. These two pieces separate. Clean them both if necessary.



Note: Make sure you reassemble the two pieces correctly or you will only get a round fan pattern.

5. Remove the fan adjustment seal (#9). Clean if necessary.

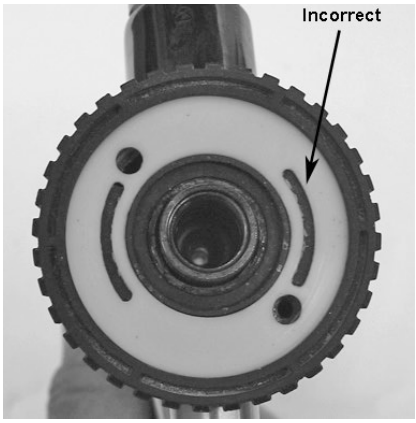
6.2.3 Re-Assemble the Spray Gun



1. Insert the fan adjustment seal (#9).

2. Insert the fan adjustment ring and air distributor plate. (#7 and #8). If you have separated these two pieces it is critical that the white air distributor plate is correctly re-inserted into the fan adjustment ring. Note that the open slots on the air distributor plate must be visible through the holes of the fan adjustment ring at the 12 o'clock and 6 o'clock positions.

Using the back end of the needle, move the distributor plate so that the round screw hole is at the 5 o'clock position. DO NOT put the distributor plate and fan adjustment ring together as show in the picture marked "incorrect". You will only be able to achieve a round spray pattern.



1. Place the Air Distributor (#6) on top of the paired fan adjustment ring and Air Distributor plate.

2. Align the screw hole in the Air Distributor with the holes in the fan adjustment ring and air distributor plate.

3. Place the Air Distributor onto the body of the spray gun aligning the pin with the hole in the spray gun body at the 5 o'clock position.
.

4. Screw the fluid nozzle (#3) back onto the spray gun, finger tight. Rotate the fan adjustment ring to be sure it rotates freely and easily. Tighten the nozzle slightly more with the wrench (spanner). Rotate fan adjustment ring again. Do not over tighten the fluid nozzle as it will stop the fan adjustment ring from rotating. If too tight, back off slightly. Be sure that the fluid nozzle is not too loose or leaking will occur.

5. Insert the air cap seal (#4). To insert, observe both sides of the seal. One side should have three small circles. This side goes toward the spray gun. Snap the air cap seal onto the air distributor (#6).

6. Push the needle (#21) back into the spray gun.

7. Insert the Needle spring into the Material Adjustment Screw (#19).

8. Install the Material Adjustment Screw with Needle Spring (#20).

9. Install air cap and air cap ring. Spray gun is now re-assembled and ready to use.

Periodically, use Apollo lubricant to lubricate the air valve bushing as shown.

⚠CAUTION

Pressure will remain in the spray cup when unit is off. If you pull the trigger back, a stream of fluid will flow. To prevent accidents, turn material flow screw clockwise until it is completely closed. The trigger is now locked in the closed position.

To relief the cup pressure prior to opening the cup use the twist connector located between the check valve and the cup lid. Undo the connector and the air pressure will exhaust through the tube. If you don't relieve the air pressure prior to opening the lid on the cup, paint can fly out and down the side of the cup.

7. Air Pressure and Viscosity

When using your ™ spray system it is important to understand the nature of the coating you are spraying and the viscosity. Fairly thin materials like Base coats can generally be sprayed with approximately 2-4 PSI. Medium bodied materials such as sealers will require a little more air pressure, approximately 4-6 PSI. High Solids and heavy viscosity materials are going to require 6 PSI or more to atomize them nicely. Always use the minimal amount of air pressure possible to achieve the best results.

Chart D

Turbine Performance

Suggested Flow Air Pressure	Coating Types
2-4 PSI	Low-Medium Viscosity Materials
4-6 PSI	Medium Viscosity Materials
6+ PSI	High Viscosity Materials

8. Record of Spray Gun Use

Record Of Spray Gun Use		
Model	**Serial #**	**Date Purchased**
Date	**Hours Of Use**	**Total Hours**

Turbine Recommended Maintenance: Clean and/or change pre-filters and/or cartridge filters every 50 hours or when necessary. See Accessories Page for appropriate filter replacement for your model.

9. Record of Spray Gun Maintenance

Date	Hours Of Use	Total Hours

10. Troubleshooting

1. Your paint cup is full of material, the HVLP air is supplied to the spray gun, trigger is pulled and no paint comes out
   Reason: Cup not pressurizing.
   A. Check Non-return valve installed correctly. (Black side towards cup)
   B. Check Non-return valve. Clean or replace as necessary.
   C. Check Air feed connector has a blockage. Check/clean as necessary
   D. Check to make sure the cup is clamped tight.
   E. Check the cup top gasket to make sure that the gasket is not damaged or worn and that the cup is sealing correctly on it. Replace if necessary.
   F. Gravity cup: check air pressure feed line is properly connected and not crimped.
   G. Gravity cup: check the cup top gasket to make sure that the gasket is not damaged or worn and that the cup is sealing correctly on it. Replace if necessary.

2. If you think that you are getting too much “overspray” Try:
   A. Moving the spray gun closer to the work (Turbine or compressor).
   B. Reduce the fluid flow
   C. Considering using a smaller nozzle and needle assembly (Turbine or compressor
   D. Reduce air pressure (Compressor or Precision series turbines)

3. If the sprayed surface is not flat and level after drying (orange peel effect) Try:
   A. Increasing air pressure (Compressor or Turbine Models 835VR, 1050VR, 1100 & 1200, POWER-5, PRECISION-5, PRECISION-6)
   B. Thin the coating more. (Turbine or compressor)

4. If the finish looks like “dry mist” or if you think the speed of the application is too slow. Try:
   A. Increasing the fluid flow
   B. Moving the spray gun slower
   C. Moving the spray gun closer to the work piece
   D. Thin the coating more.

5. Fan Pattern Control Ring is hard to rotate or will not turn. Try:
   A. Loosening the fluid nozzle slightly. (Caution – Do not loosen to much or leakage will occur)

6. When rotating Fan Pattern Control Ring you only get a round spray pattern.
   Try: Locate part (#8) Air Distributor Plate which is attached to part (#7) Air Distributor. The position of the air distributor plate is critical to the operation of the Fan Pattern Control Ring. (See page 29 for correct and incorrect position). Adjust if necessary.

If you have any additional questions, please refer to our website located at www.hvlp.com or call our technical service line at 888-900-4857.

11. Genuine Apollo Accessories

Using genuine Apollo accessories is important to the longevity, ergonomics and portability of your equipment. Other brands of accessories are not designed specifically with your Apollo brand equipment in mind and could cause abnormal functionality. For a complete list of Genuine Apollo parts please visit our website at www.hvlp.com or call a sales associate at 888-900-HVLP (4857).

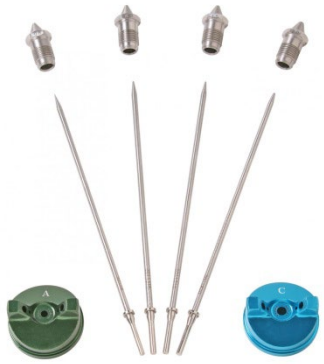
FS1680 – Pack of 5, Air Feed Tube's with Non-return Valves and Air Relief Valves-12"

FS1900 - Deluxe Cleaning Kit, Life Time Warranty

A5033A, A5034A & A7536A - Gravity Feed Cup Assemblies 250cc, 600cc 1000cc

Rebuilt Kits

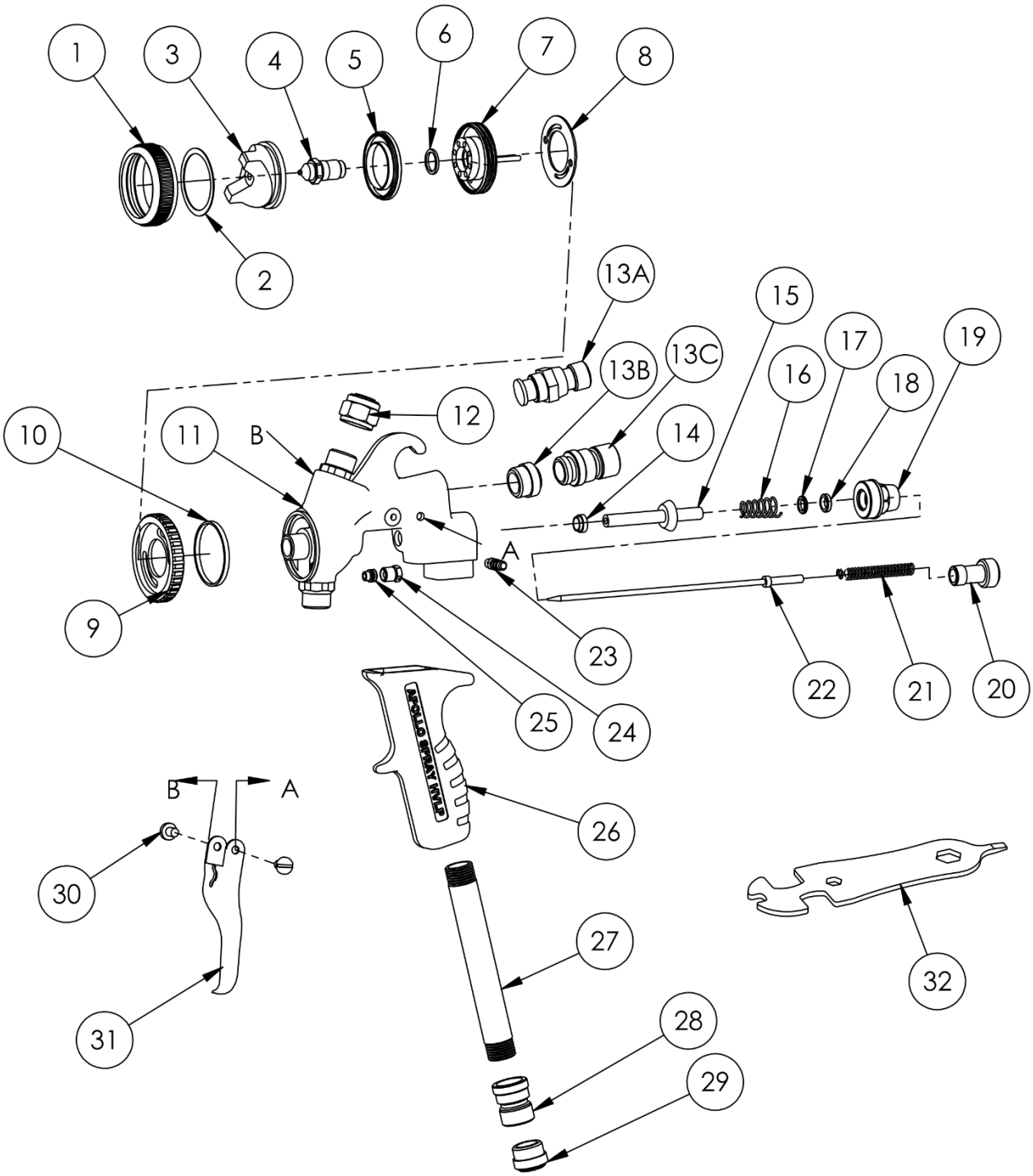
Nozzle, Needle and Air Cap Sets



Viscosity Cup

Carrying case

Diagram & Parts List



7700T Parts List			
ITEM #	QTY	PART #	DESCRIPTION
1	1	A7501-NS	AIR CAP RING
2	1	A7501-GK	AIR CAP RING GASKET
3	1	A7502-05-HS	AIR CAP - SIZE 0.5MM "CC-HS"
3	1	A7502-08	AIR CAP - SIZE 0.8MM "A"
3	1	A7502-10	AIR CAP - SIZE 1.0MM, 1.3MM, 1.5MM "B"
3	1	A7502-10-HS	AIR CAP - SIZE 1.0MM, 1.3MM, 1.5MM "B-HS"
3	1	A7502-18	AIR CAP - SIZE 1.8MM, 2.0MM "C"
3	1	A7502-18-HS	AIR CAP - SIZE 1.8MM, 2.0MM "C-HS"
3	1	A7502-25	AIR CAP - SIZE 2.5MM "D"
3	1	A7502-25-HS	AIR CAP - SIZE 2.MM "D-HS"
4	1	A7503-05	FLUID NOZZLE - SIZE 0.5MM
4	1	A7503-08	FLUID NOZZLE - SIZE 0.8MM
4	1	A7503-10	FLUID NOZZLE - SIZE 1.0MM
4	1	A7503-13	FLUID NOZZLE - SIZE 1.3MM
4	1	A7503-15	FLUID NOZZLE - SIZE 1.5MM
4	1	A7503-18	FLUID NOZZLE - SIZE 1.8MM
4	1	A7503-20	FLUID NOZZLE - SIZE 2.0MM
4	1	A7503-25	FLUID NOZZLE - SIZE 2.5MM
5	1	A7504	AIR CAP SEAL
6	1	A7556	AIR DISTRIBUTOR GASKET
7	1	A7506-NS	AIR DISTRISBUTOR
8	1	A7507	AIR DISTRIBUTOR PLATE
9	1	A7508	FAN ADJUSTMENT RING
10	1	A7509	FAN ADJUSTMENT SEAL
11	1	A7510	SPRAY GUN BODY
12	1	A7533	MATERIAL BLANKING CAP
13A	1	A7546	OS CONTROL (OPTIONAL)
13B	1	A7513-HX	AIR BLANKING CAP (UPPER PORT)
13C	1	A7543	UPPER PORT HOSE COUPLER (OPTIONAL)
14	1	A7514	AIR VALVE BUSHING
15	1	A7515	AIR VALVE STEM
16	1	A7516	AIR VALVE RETURN SPRING
17	1	A7518	AIR VALVE RETAINING NUT GASKET
18	1	A7517	AIR VALVE SEATING GASKET
19	1	A7519	AIR VALVE RETAINING NUT
20	1	A7522	MATERIAL ADJUSTMENT SCREW
21	1	A7521	NEEDLE SPRING
22	1	A7520-05	NEEDLE ASSEMBLY - SIZE 0.5MM
22	1	A7520-08	NEEDLE ASSEMBLY - SIZE 0.8MM
22	1	A7520-10	NEEDLE ASSEMBLY - SIZE 1.0MM
22	1	A7520-1315	NEEDLE ASSEMBLY - SIZE 1.3MM
22	1	A7520-1315	NEEDLE ASSEMBLY - SIZE 1.5MM
22	1	A7520-1820	NEEDLE ASSEMBLY - SIZE 1.8MM
22	1	A7520-1820	NEEDLE ASSEMBLY - SIZE 2.0MM
22	1	A7520-25	NEEDLE ASSEMBLY - SIZE 2.5MM
23	1	A5211N	AIR FEED CONNECTOR
24	1	A7528	GLAND SEAL NUT
25	1	A7527	GLAND SEAL
26	1	A7524	HANDLE
27	1	A5226	HANDLE TUBE
28	1	A7526-HX	MALE QUICK CONNECT (TURBINE AIR)
29	1	A7544	AIR BLANKING CAP, HANDLE (OPTIONAL)
30	2	A7531	TRIGGER SCREW
31	1	A7532	TRIGGER
32	1	A7534	WRENCH

12. Warranty

Two Year Warranty

The machine and Equipment are WARRANTED by APOLLO SPRAYERS INTERNATIONAL, INC. for a total period of TWO YEARS from the ORIGINAL date of purchase by the ORIGINAL PURCHASER. Proof of purchase to be included and all SHIPPING CHARGES to be pre-paid.

APOLLO SPRAYERS INTERNATIONAL INC., upon examination of the machine/equipment will replace or repair at their discretion any defects in material or workmanship.

This WARRANTY does NOT include: misuse, damage, neglect, alterations, disassembled equipment or modifications, lack of maintenance, cleaning, water damage to electrical parts, INCORRECT VOLTAGE CONNECTION.

This Warranty is in lieu of all other express warranties, any WARRANTY implied by law, including but not limited to, implied Warranties of merchantability or fitness, is excluded to the maximum extent permitted by law and, if not excludable, is limited to the duration of the express Warranty.

No representative or person is authorized to extend this Warranty or to create for APOLLO SPRAYERS INTERNATIONAL, INC. any other liability in connection with the sale of any APOLLO SPRAYERS product. APOLLO SPRAYERS INTERNATIONAL, INC. shall not be liable for any consequential, incidental or special damages of any kind directly or indirectly resulting from breach of any express or implied warranty.

Some states do allow the exclusion or limitation of incidental or consequential damages or limitations on the length of any Warranty so that the above limitations and exclusions may not apply to you: however, to the maximum extent permitted under applicable law, the only rights and remedies shall be to obtain a replacement for any defective product.

This Warranty gives you specific legal rights and you may also have other rights which vary from State to State.

Apollo Sprayers International, Inc. 1030 Joshua Way, Vista, CA 92081
Customer Service: (760) 727-6226
Fax: (760) 727-9325
Toll Free Sales & Service: (888) 900-HVLP (4857)
www.hvlp.com

⚠ **WARNING:** This product can expose you to chemicals including Chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.