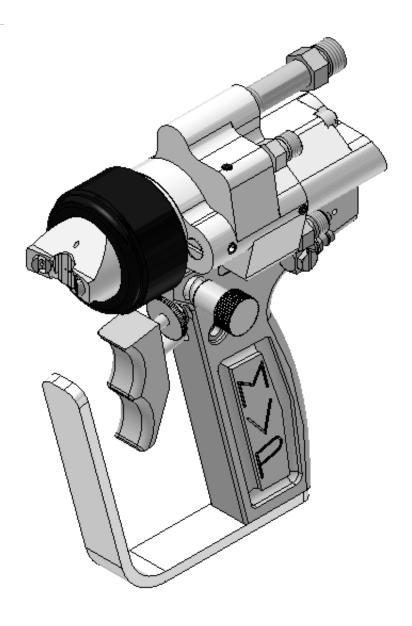
# ATG Gelcoat Gun Manual

This manual is applicable to the following models:

- ATG-3500
- ATG-6500





Rev. July 2020



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Use of this product confirms that Magnum Venus Products, Inc.'s standard terms and conditions of sale apply.



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# Safety & Warning Information

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Due to the vast number of chemicals that could be used and their varying chemical reactions, the buyer and user of this equipment should determine all factors relating to the fluids used, including any of the potential hazards involved. Particular inquiry and investigation should be made into potential dangers relating to toxic fumes, fires, explosions, reaction times, and exposure of human beings to the individual components or their resultant mixtures. MVP assumes no responsibility for loss, damage, expense or claims for bodily injury or property damage, direct or consequential, arising from the use of such chemical components.

The end user is responsible for ensuring that the end product or system complies with all the relevant laws in the country where it is to be used and that all documentation is adhered to.

#### Recommended Occupational Safety & Health Act (OSHA) Documentation:

1910.94 Pertaining to ventilation Pertaining to flammable liquids 1910.106 Pertaining to spray finishing operations, particularly paragraph (m), 1910.107 Organic Peroxides and Dual Component Coatings

For Additional information, contact the Occupational Safety and Health Administration (OSHA) at <a href="https://www.osha.gov/about.html">https://www.osha.gov/about.html</a>.

## **Recommended National Fire Protection Association (NFPA) Documentation:**

Organic Peroxides and Dual Component Materials NFPA No.33 Chapter 14 NFPA No. 63 **Dust Explosion Prevention** National Electrical Code NFPA No. 70 Static Electricity NFPA No. 77 Blower and Exhaust System NFPA No. 91 Plastics Industry Dust Hazards NFPA No. 654

**Fire Extinguisher** – code ABC, rating number 4a60bc using Extinguishing Media –Foam, Carbon Dioxide, Dry Chemical, Water Fog, is recommended for this product and applications.

The following general warnings and guidelines are for the setup, use, grounding, maintenance, and repair of equipment. Additional product-specific warnings may be found throughout this manual as applicable. Please contact your nearest MVP Technical Service Representative if additional information is needed.



#### **Safety Precautions**

- Avoid skin contact and inhalation of all chemicals.
- Review Material Safety Data Sheet (MSDS) to promote the safe handling of chemicals in
- Restrict the use of all chemicals to designated areas with good ventilation.
- Chemicals are flammable and reactive.
- Noxious fumes released when combusted.
- Operate equipment in a ventilated environment only.
- Uncured liquid resins are highly flammable unless specifically labeled otherwise.
- Cured laminate, accumulations of overspray, and laminate sandings are highly combustible.
- Do not operate or move electrical equipment when flammable fumes are present.
- Ground all equipment.
- If a spark is seen or felt, immediately halt operation. Do not operate the equipment until the issue has been identified and repaired.
- Contaminated catalyst may cause fire or explosion.
- Containers may explode if exposed to fire / heat.
- Use and store chemicals away from heat, flames, and sparks.
- Do not smoke in work areas or near stored chemicals.
- Do not mix Methyl Ethyl Ketone Peroxide (MEKP) with materials other than polyethylene.
- Do not dilute MEKP.
- Keep food and drink away from work area.







**FLAMMABLE** 



GROUNDING



**EXPLOSIVE** 



DANGER



DANGER



#### **Physical Hazards**

- Never look directly into the spray gun fluid tip. Serious injury or death can result.
- Never aim the spray gun at or near another person. Serious injury or death can result.
- Chemical compounds can be severely irritating to the eyes and skin.
- Inhalation, ingestion, or injection may damage internal organs and lead to pulmonary disorders, cancers, lymphomas, and other diseases or health conditions.
- Other potential health effects include: irritation of the eyes and upper respiratory tract, headache, light-headedness, dizziness, confusion, drowsiness, nausea, vomiting, and occasionally abdominal pain.
- Eye contact: Immediately flush with water for at least 15 minutes and seek immediate medical attention.
- Skin Contact: Immediately wash with soap and water and seek immediate medical attention.
- Inhalation: Move the person to fresh air and seek immediate medical attention.
- Do not remove shields, covers, or safety features on equipment that is in use.
- Never place fingers, hands, or any body part near or directly in front of the spray gun fluid tip. The force of the liquid as it exits the spray tip can shoot liquid through the skin.
- Keep hands and body parts away from any moving equipment or components.
- Do not stand under plunger
- An improperly loaded drum may lead to an imbalance, causing a unit to tip over





#### **Personal Protective Equipment (PPE)**

- MVP recommends the use of personal safety equipment with all products in our catalog.
- Wear safety goggles, hearing protection, a respirator, and chemical resistant gloves.
- Wear long sleeve shirts or jackets and pants to minimize skin exposure.
- PPE should be worn by operators and service technicians to reduce the risk of injury.



For Additional information, contact the Occupational Safety and Health Administration (OSHA). <a href="https://www.osha.gov/about.html">https://www.osha.gov/about.html</a>



# Symbol Definitions



Indicates the risk of contact with chemicals that are hazardous, which may lead to injury or death.



Indicates the risk of contact with voltage / amperage that may lead to serious injury or death



Indicates that the materials being used are susceptible to combustion



Indicates the risk of contact with moving components that may lead to serious injury or death.



Indicates that the system or component should be grounded before proceeding with use or repair.



Indicates the use of lit cigarettes or cigars is prohibited, because the materials being used are susceptible to combustion.



Indicates that the materials and/or the process being performed can lead to ignition and explosion.



A recommendation for the use of Personal Protective Equipment (PPE) before using or repairing the product.



# Polymer Matrix Materials: Advanced Composites

Potential health hazards associated with the use of advanced composites can be controlled through the implementation of an effective industrial hygiene and safety program.

https://www.osha.gov/dts/osta/otm/otm\_iii/otm\_iii\_1.html#t iii:1\_1

Resins				
Composite Component	Organ System Target	Known (Possible) Health Effect		
	(Possible Target)			
Epoxy resins	Skin, lungs, eyes	Contact and allergic dermatitis,		
прохутесню	Gian, lange, eyee	conjunctivitis		
Polyurethane resins	Lungs, skin, eyes	Respiratory sensitization, contact		
_		dermatitis, conjunctivitis		
Phenol formaldehyde	Skin, lungs, eyes	As above (potential carcinogen)		
Bismaleimides (BMI)	Skin, lungs, eyes	As above (potential carcinogen)		
Polyamides	Skin, lungs, eyes	As above (potential carcinogen)		
Reinforcing materials				
Composite Component	Organ System Target	Known (Possible) Health Effect		
	(Possible Target)			
Aramid fibers	Skin (lungs)	Skin and respiratory irritation, contact		
Attained libero	_	dermatitis (chronic interstitial lung disease)		
Carbon/graphite fibers	Skin (lungs)	As noted for aramid fibers		
Glass fibers (continuous	Skin (lungs)	As noted for aramid fibers		
filament)	-			
Hardeners and curing agents				
Composite Component	Organ System Target	Known (Possible) Health Effect		
	(Possible Target)			
Diaminodiphenylsulfone	N/A	No known effects with workplace		
	-	exposure		
Methylenedianiline	Liver, skin	Hepatotoxicity, suspect human carcinogen		
Other aromatic amines				
Composite Component	Organ System Target	Known (Possible) Health Effect		
	(Possible Target)			
Meta-phenylenediamine (MPDA)	Liver, skin (kidney,	Hepatitis, contact dermatitis (kidney and		
ivieta-prieriyieriediamine (ivii DA)	bladder)	bladder cancer)		
Aliphatic andcyclo-aliphatic	Eyes, skin	Severe irritation, contact dermatitis		
amines				
Polyaminoamide	Eyes, skin	Irritation (sensitization)		
Anhydride	Eyes, lungs, skin	Severe eye and skin irritation, respiratory		
,		sensitization, contact dermatitis		



# Catalyst - Methyl Ethyl Ketone Peroxide (MEKP)

MEKP is among the more hazardous materials found in commercial channels. The safe handling of the "unstable (reactive)" chemicals presents a definite challenge to the plastics industry. The highly reactive property which makes MEKP valuable to the plastics industry in producing the curing reaction of polyester resins also produces the hazards which require great care and caution in its storage, transportation, handling, processing and disposal. MEKP is a single chemical. Various polymeric forms may exist which are more or less hazardous with respect to each other. These differences may arise not only from different molecular structures (all are, nevertheless, called "MEKP") and from possible trace impurities left from the manufacture of the chemicals, but may also arise by contamination of MEKP with other materials in its storage or use. Even a small amount of contamination with acetone, for instance, may produce an extremely shock-sensitive and explosive compound.



#### **WARNING**

Contamination with promoters, materials containing promoters (such as laminate sandings), or with any readily oxidizing material (such as brass or iron) will cause exothermic redox reactions which can be explosive in nature. Heat applied to MEKP or heat buildup from contamination reactions can cause the material to reach its Self-Accelerating Decomposition Temperature (SADT).

Researchers have reported measuring pressure rates-of-rise well over 100,000 psi per second when certain MEKP's reach their SADT. For comparison, the highest-pressure rate-of-rise listed in NFPA Bulletin NO.68, "Explosion Venting", is 12,000 psi per second for an explosion of 12% acetylene and air. The maximum value listed for a hydrogen explosion is 10,000 psi per second. Some forms of MEKP, if allowed to reach their SADT, will burst even an open topped container. This suggests that it is not possible to design a relief valve to vent this order of magnitude of pressure rate-of-rise. The user should be aware that any closed container, be it a pressure vessel, surge chamber, or pressure accumulator, could explode under certain conditions. There is no engineering substitute for care by the user in handling organic peroxide catalysts. If, at any time, the pressure relieve valve on top of the catalyst tank should vent, the area should be evacuated at once and the fire department called. The venting could be the first indication of a heat, and therefore, pressure build-up that could eventually lead to an explosion. Moreover, if a catalyst tank is sufficiently full when the pressure relief valve vents, some catalyst may spray out, which could cause eye injury. For this reason, and many others, anyone whose job puts them in an area where this vented spray might go, should always wear full eye protection even when laminating operations are not taking place.

Safety in handling MEKP depends to a great extent on employee education, proper safety instructions, and safe use of the chemicals and equipment. Workers should be thoroughly informed of the hazards that may result from improper handling of MEKP, especially regarding contamination, heat, friction and impact. They should be thoroughly instructed regarding the proper action to be taken in the storage, use, and disposal of MEKP and other hazardous materials used in the laminating operation. In addition, users should make every effort to:

- Store MEKP in a cool, dry place in original containers away from direct sunlight and away from other chemicals.
- Keep MEKP away from heat, sparks, and open flames.
- Prevent contamination or MEKP with other materials, including polyester over spray and sandings, polymerization accelerators and promoters, brass, aluminum, and non-stainless steels.



- Never add MEKP to anything that is hot, since explosive decomposition may result.
- Avoid contact with skin, eyes, and clothing. Protective equipment should be worn at all times. During clean-up of spilled MEKP, personal safety equipment, gloves, and eye protection must be worn. Firefighting equipment should be at hand and ready.
- Avoid spillage, which can heat up to the point of self-ignition.
- Repair any leaks discovered in the catalyst system immediately, and clean-up the leaked catalyst at once in accordance with the catalyst manufacturer's instructions.
- Use only original equipment or equivalent parts from Magnum Venus Products in the catalyst system (i.e.: hoses, fitting, etc.) because a dangerous chemical reaction may result between substituted parts and MEKP.
- Catalyst accumulated from the purging of hoses or the measurement of fluid output deliveries should never be returned to the supply tank, such catalyst should be diluted with copious quantities of clean water and disposed of in accordance with the catalyst manufacturer's instructions.

The extent to which the user is successful in accomplishing these ends and any additional recommendations by the catalyst manufacturer determines largely the safety that will be present in his operation.

# **Clean-Up Solvents and Resin Diluents**



#### **WARNING**

A hazardous situation may be present in your pressurized fluid system! Hydro carbon solvents can cause an explosion when used with aluminum or galvanized components in a closed (pressurized) fluid system (pump, heaters, filters, valves, spray guns, tanks, etc.). An explosion could cause serious injury, death, and/or substantial property damage. Cleaning agents, coatings, paints, etc. may contain Halogenated Hyrdrocarbon solvents. Some Magnum Venus Products spray equipment includes aluminum or galvanized components and will be affected by Halogenated Hydrocarbon solvents.

There are three key elements to the Halogenated Hyrdocarbon (HHC) solvent hazard.

- The presence of HHC solvents.
- Aluminum or Galvanized Parts.
- 3. Equipment capable of withstanding pressure.
- 1,1,1 Trichloroethane and Methylene Chloride are the most common of these solvents. However, other HHC solvents are suspect if used; either as part of paint or adhesives formulation, or for clean-up flushing. Most handling equipment contains these elements. In contact with these metals, HHC solvents could generate a corrosive reaction of a catalytic nature.
- When HHC solvent contact aluminum or galvanized parts inside a closed container such as a pump, spray gun, or fluid handling system, the chemical reaction can, over time, result in a build-up of heat and pressure, which can reach explosive proportions. When all three elements are present, the result can be an extremely violent explosion. The reaction can be sustained with very little aluminum or galvanized metal; any amount of aluminum is too much.
- The reaction is unpredictable. Prior use of an HHC solvent without incident (corrosion or explosion) does NOT mean that such use is safe. These solvents can be dangerous alone (as a



clean-up or flushing agent) or when used as a component or a coating material. There is no known inhibitor that is effective under all circumstances. Mixing HHC solvents with other materials or solvents such as MEKP, alcohol, or toluene may render the inhibitors ineffective.

- The use of reclaimed solvents is particularly hazardous. Reclaimers may not add any inhibitors. The possible presence of water in reclaimed solvents could also feed the reaction.
- Anodized or other oxide coatings cannot be relied upon to prevent the explosive reaction. Such
  coatings can be worn, cracked, scratched, or too thin to prevent contact. There is no known way
  to make oxide coatings or to employ aluminum alloys to safely prevent the chemical reaction
  under all circumstances.
- Several solvent suppliers have recently begun promoting HHC solvents for use in coating systems. The increasing use of HHC solvents is increasing the risk. Because of their exemption from many state implementation plans as Volatile Organic Compounds (VOCs), their low flammability hazard, and their not being classified as toxic or carcinogenic substances, HHC solvents are very desirable in many respects.



#### WARNING

Do not use Halogenated Hydrocarbon (HHC) solvents in pressurized fluid systems having aluminum or galvanized wetted parts.

Magnum Venus Products is aware of NO stabilizers available to prevent HHC solvents from reaction under all conditions with aluminum components in closed fluid systems. HHC solvents are dangerous when used with aluminum components in a closed fluid system.

- Consult your material supplier to determine whether your solvent or coating contains Halogenated Hydrocarbon solvents.
- Magnum Venus Products recommends that you contact your solvent supplier regarding the best non-flammable clean-up solvent with the heat toxicity for your application.
- If, however, you find it necessary to use flammable solvents, they must be kept in approved, electrically grounded containers.
- Bulk solvent should be stored in a well-ventilated, separate building, 50 feet away from your main plant.
- You should only allow enough solvent for one day's use in your laminating area.
- NO SMOKING signs must be posted and observed in all areas of storage or where solvents and other flammable materials are used.
- Adequate ventilation (as covered in OSHA Section 1910.94 and NFPA No.91) is important wherever solvents are stored or used, to minimize, confine and exhaust the solvent vapors.
- Solvents should be handled in accordance with OSHA Section 1910.106 and 1910.107.

# Catalyst Diluents

Magnum Venus Products spray-up and gel-coat systems currently produced are designed so that catalyst diluents are not required. Magnum Venus Products therefore recommends that diluents not be used to avoid possible contamination which could lead to an explosion due to the handling and mixing of MEKP and diluents. In addition, it eliminates any problems from the diluent being contaminated through rust particles in drums, poor quality control on the part of the diluents suppliers, or any other reason. If diluents are absolutely required, contact your catalyst supplier and follow his instructions explicitly. Preferably the supplier should premix the catalyst to prevent possible "on the job" contamination while mixing.





#### **WARNING**

If diluents are not used, remember that catalyst spillage and gun, hose, and packing leaks are potentially more hazardous since each drop contains a higher concentration of catalyst and will therefore react more quickly with overspray and the leak.

## **Cured Laminate, Overspray and Laminate Sandings Accumulation**

- Remove all accumulations of overspray, Fiberglass Reinforced Plastic (FRP) sandings, etc. from the building as they occur. If this waste is allowed to build up, spillage of catalyst is more likely to start a fire; in addition, the fire would burn hotter and longer.
- Floor coverings, if used, should be non-combustible.
- Spilled or leaked catalyst may cause a fire if it comes in contact with an FRP product, oversprayed chop or resin, FRP sandings or any other material with MEKP.

To prevent spillage and leakage, you should:

-		
1.	Maintain your Magnum Venus Products System.	Check the gun several times daily for catalyst and resin packing or valve leaks. REPAIR ALL LEAKS IMMEDIATELY.
2.	Never leave the gun hanging over or lying inside the mold.	A catalyst leak in this situation would certainly damage the part, possibly the mold, and may cause a fire.
3.	Inspect resin and catalyst hoses daily for wear or stress at the entry and exits of the boom sections and at the hose and fittings.	Replace if wear or weakness is evident or suspected.
4.	Arrange the hoses and fiberglass roving guides so that the fiberglass strands DO NOT rub against any of the hoses at any point.	If allowed to rub, the hose will be cut through, causing a hazardous leakage of material which could increase the danger of fire. Also, the material may spew onto personnel in the area.

# **Toxicity of Chemicals**

- Magnum Venus Products recommends that you consult OSHA Sections 1910.94, 1910.106, 1910.107 and NFPA No.33, Chapter 14, and NFPA No.91.
- Contact your chemical supplier(s) and determine the toxicity of the various chemicals used as well as the best methods to prevent injury, irritation and danger to personnel.
- Also determine the best methods of first aid treatment for each chemical used in your plant.

# **Equipment Safety**

Magnum Venus Products suggest that personal safety equipment such as EYE GOGGLES, GLOVES, EAR PROTECTION, and RESPIRATORS be worn when servicing or operating this equipment. Ear protection should be worn when operating a fiberglass chopper to protect against hearing loss since noise levels can be as high as 116 dB (decibels). This equipment should only be operated or serviced by technically trained personnel!





#### **CAUTION**

Never place fingers, hands, or any body part near or directly in front of the spray gun fluid tip. The force of the liquid as it exits the spray tip can cause serious injury by shooting liquid through the skin. NEVER LOOK DIRECTLY INTO THE GUN SPRAY TIP OR POINT THE GUN AT OR NEAR ANOTHER PERSON OR AN ANIMAL.



#### **DANGER**

Contaminated catalyst may cause fire or explosion. Before working on the catalyst pump or catalyst accumulator, wash hands and tools thoroughly. Be sure work area is free from dirt, grease, or resin. Clean catalyst system components with clean water daily.



#### **DANGER**

Eye, skin, and respiration hazard. The catalyst MEKP may cause blindness, skin irritation, or breathing difficulty. Keep hands away from face. Keep food and drink away from work area.

# **Treatment of Chemical Injuries**



#### **CAUTION**

Refer to your catalyst manufacturer's safety information regarding the safe handling and storage of catalyst. Wear appropriate safety equipment as recommended.

Great care should be used in handling the chemicals (resins, catalyst and solvents) used in polyester systems. Such chemicals should be treated as if they hurt your skin and eyes and as if they are poison to your body. For this reason, Magnum Venus Products recommends the use of protective clothing and eye wear in using polyester systems. However, users should be prepared in the event of such an injury.

#### **Precautions include:**

- 1. Know precisely what chemicals you are using and obtain information from your chemical supplier on what to do in the event the chemical gets onto your skin or into the eyes, or if swallowed.
- 2. Keep this information together and easily available so that it may be used by those administering first aid or treating the injured person.
- 3. Be sure the information from your chemical supplier includes instructions on how to treat any toxic effects the chemicals have.



#### WARNING

Contact your doctor immediately in the event of an injury. If the product's MSDS includes first aid instructions, administer first aid immediately after contacting a doctor.



Fast treatment of the outer skin and eyes that contact chemicals generally includes immediate and thorough washing of the exposed skin and immediate and continuous flushing of the eyes with lots of clean water for at least 15 minutes or more. These general instructions of first aid treatment may be incorrect for some chemicals; you must know the chemicals and treatment before an accident occurs. Treatment for swallowing a chemical frequently depends upon the nature of the chemical.

## **Emergency Stop Procedure**

In an emergency, follow these steps to stop a system:

1. The ball valve located where the air enters the power head of the resin pump, should be moved to the "OFF" or closed position.

Note

The "open" or "on" position is when the ball valve handle is parallel (in line) with the ball valve body. The "closed" or "off" position is when the ball valve handle is perpendicular (across) the ball valve body.

- 2. Turn all system regulators to the "OFF" position (counter-clockwise) position.
- 3. Verify / secure the catalyst relief line, located on the catalyst relief valve.
- 4. Verify / secure the resin return line, located on the resin filter.
- 5. Place a container under the resin pump ball valve to catch ejected resin.
- 6. Locate the ball valve on the resin pump.
- 7. Rotate the ball valve 90 degrees to the "On" or open position.

## Grounding

Grounding an object means providing an adequate path for the flow of the electrical charge from the object to the ground. An adequate path is one that permits charge to flow from the object fast enough that it will not accumulate to the extent that a spark can be formed. It is not possible to define exactly what will be an adequate path under all conditions since it depends on many variables. In any event, the grounding means should have the lowest possible electrical resistance.

Grounding straps should be installed on all loose conductive objects in the spraying area. This includes material containers and equipment. Magnum Venus Products recommends grounding straps be made of AWG No.18 stranded wire as a minimum and the larger wire be used where possible. NFPA Bulletin No77 states that the electrical resistance of such a leakage path should be 1 meg ohm (106 ohms) or less.

#### **CAUTION**



Whenever flammable or combustible liquids are transferred from one container to another, or from one container to the equipment, both containers or container and equipment shall be effectively bonded and grounded to dissipate static electricity. For further information, see National Fire Protection Association (NFPA) 77, titled "Recommended Practice on Static Electrical". Refer especially to section 7-7 titled "Spray Application of Flammable and Combustible Materials".





# Introduction

The AT series guns are some of the most advanced state of the art guns introduced into the composites industry. They feature low maintenance, few adjustments, superb quality, and a long service life. The AT series guns are air trigger guns; as the trigger is pulled, air is shifted from one side of a piston to the other. The pistons are attached to the gun needles and the air shifting opens and closes the needles. The ATC Gelcoatper has a poppet valve which is pushed when the resin needle moves to the open position, allowing the Gelcoatper air to be turned on and off by pulling the gun trigger.

This manual provides information for the operation, maintenance, and simple repair of the MVP ATG Gelcoat Gun. The following procedures are included:

- Step-by-step assembly and disassembly
- Troubleshooting guidance



Please read this manual carefully and retain for future reference. Follow the steps in the order given, otherwise you may damage the equipment or injure yourself.

As you disassemble the equipment, lay out the components on a clean surface in the correct order and direction to assist with reassembly.

This manual cover all the variations of the ATG Gelcoat Gun:

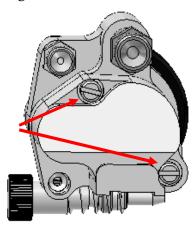
ATG-3500-XXX External Mix Gelcoat Gun

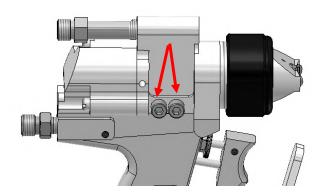
ATG-6500-XXX External Mix Gelcoat Gun – With Signal



# Disassembling the Gun

- 1. Remove the two Allen screws from the side of the gun to separate the gun into two components, the handle and the head/cylinder.
- 2. Remove the two screws on the back of the cylinder and cautiously remove the cylinder from the back of the gun head.

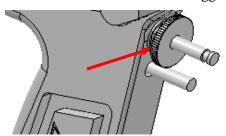


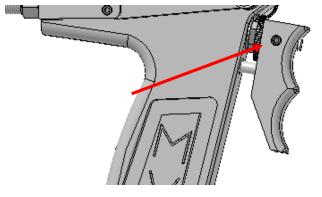


# Servicing Gun Handle

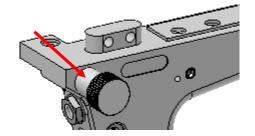
# Disassemble Handle

- 1. Loosen the set screw holding the trigger button assembly and remove the button.
- 2. Unscrew and remove the trigger lock.





- 3. Remove the trigger housing.
- 4. Remove the trigger valve assembly from the front of the gun.
- 5. Remove the refinement air adjustment screw and spring from the side of the gun.
- 6. Unscrew the refinement air packing nut from the side of the gun and remove the O-rings.
- 7. Remove the three O-rings on the top of the handle.





8. Thoroughly clean and inspect all parts for wear or damage; replace parts as needed with MVP parts.

# Reassemble Handle

- 9. Open the seal kit and match O-rings with the ones being replaced.
- 10. Replace O-rings on the trigger valve.

#### Note A special tool is available for order to install the O-rings on the trigger valve.

- 11. Install the spring onto the trigger valve and install into the front of the gun.
- 12. Thread the trigger housing into the front of the gun over the trigger valve using a  $^{7}/_{16}$  wrench.
- 13. Thread the trigger lock into the trigger housing.
- 14. Place the trigger button onto the end of the trigger valve, depressing it all the way.
- 15. Tighten the set screw on the side of the trigger button to hold in place.
- 16. Replace the O-rings in the air refinement needle valve on the side of the handle.

#### Note The Buna (black) O-ring is first, followed by the Teflon (white) O-ring.

- 17. Install the packing nut, turning just until it stops.
- 18. Place the spring onto the refinement air needle.
- 19. Lubricate with Super O Lube and install the refinement air needle into the side of the gun.
- 20. Replace the O-rings on top of the handle.
- 21. Set the handle aside for now.

# Repairing Cylinder

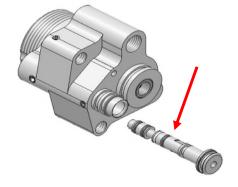
- 1. Remove and check the spring from inside the cylinder.
- 2. Check the inside of the cylinder.
- 3. Check and clear the air ports on the bottom of the cylinder.
- 4. Lubricate the inside of the cylinder.
- 5. Reinstall the spring into the cylinder.

# Repairing Gun Head

1. Remove the catalyst spool valve assembly from the gun head.

Note

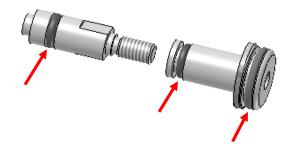
The catalyst spool assembly consists of three pieces, the valve front, valve back, and the catalyst piston.





- 1. Unscrew the valve back from the catalyst piston, using care not to lose the lock nut.
- 2. Replace the O-rings on the valve back and catalyst piston.

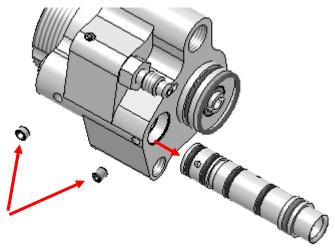
# Note A special tool is available to install the O-rings on the catalyst spool valve.



- 1. Reinstall the lock washer.
- 2. Use a drop of removable thread lock compound on the threads of the valve back, then thread the valve back into the catalyst piston.
- 3. Unscrew the valve front from the valve back.

# Note The valve front is reverse-threaded. It will unscrew counter-clockwise from the valve back.

- 4. Replace the O-rings on the valve front and the O-ring between the valve front and valve back.
- 5. Use a drop of removable thread lock compound on the valve front threads and thread into the valve back.
- 6. Set the catalyst spool aside for now.
- 7. Install a new O-ring onto the catalyst cylinder on the gun head.
- 8. Remove the two set screws on the side of the gun head holding the catalyst cylinder in place and remove the catalyst cylinder from the gun head.



- 9. Make note of the O-ring positions on the catalyst cylinder.
- 10. Lubricate the new O-rings from the seal kit with SSL-10 or Vaseline and replace the O-rings on the catalyst cylinder.

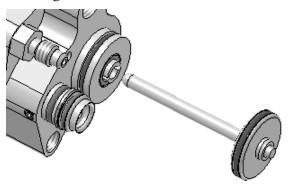
Note Installing the new O-rings in the wrong positions will cause the gun not to work properly.



- 11. Reinstall the catalyst cylinder into the gun head by rotating it back and forth while pushing it into the gun head, making sure not to damage the O-rings and to align the hole in the catalyst cylinder with the hole in the side of the gun head.
- 12. Replace the set screws back into the gun head.

Note The hole in the catalyst cylinder has to line up with the hole in the gun head so that the set screw may be reinstalled. If the screw does not go in fully you may need to realign the catalyst cylinder.

- 13. Using a  $\frac{5}{16}$  nut driver, remove the diffuser seat from the front of the gun.
- 14. Using special tool ATC-40323-BT, remove the cartridge assembly from the front of the gun.
- 15. Pull the resin needle piston assembly from the back of the gun head.



- 16. Replace the O-ring on the resin needle piston.
- 17. Remove the packing retainer from the back of the gun head and replace the O-ring with a new one.
- 18. Replace the packing retainer back into the back of the gun head.
- 19. Replace the O-ring for the resin cylinder seal.
- 20. Replace the two tip pin O-rings on the front of the gun.
- 21. Remove the catalyst cylinder plug on the front of the gun head and replace the O-ring.
- 22. Reinstall the catalyst cylinder plug into the front of the gun head.
- 23. Replace the O-ring on the diffuser seat.
- 24. Using a pin and wrench, loosen the needle packing housing from the packing retainer.
- 25. Check that the packing press moves freely in the packing housing and clean as necessary.
- 26. Replace the two packings in the packing housing.
- 27. Hand tighten the packing housing, packing press, and two packings together with the packing retainer.

Note Use caution not to overtighten the packing retainer into the packing housing.

The resin needle will not go through the packing if it is too tight.

28. Tighten the lock nut to secure the packing housing.



- 29. Install the packing housing assembly (cartridge assembly) into the front of the gun head.
- 30. Press the diffuser seat as far as it will go into the front of the gun head.
- 31. Using a  $\frac{5}{16}$  nut driver, adjust the packing seat until it is snug, then just a little more.
- 32. Insert the catalyst spool valve assembly into the back of the gun head.
- 33. Using the two screws, attach the cylinder assembly to the gun head.
- 34. Attach the gun head and cylinder to the handle.

# Troubleshooting

Air Assisted AT G	iun Troubleshooting	
Symptom	Possible Cause	Remedy
Air leaking form exhaust port on	O-ring material worn or cut O-rings on catalyst piston worn or cut	Replace O-rings
back of handle while trigger is in OFF position	O-rings on trigger valve worn or cut	
Air leaking from exhaust port on back of handle while trigger is either OFF or ON	O-rings on trigger valve worn or cut  O-rings on catalyst valve and/or material piston worn or nicked	Replace O-rings
Catalyst leaking from catalyst tip while gun is sitting (not being triggered)	O-rings on catalyst valve worn or cut	Replace O-rings
Catalyst leaks from weep hole on catalyst side of gun	O-rings on catalyst valve worn or cut	Replace O-rings
No catalyst is	Catalyst air piston is not actuating	Check for clogged catalyst air passages (small holes underneath back cylinder)  Note There is more than one passageway from holes
coming from gun	Plugged catalyst restrictor (Allen screw with orifice located in front of catalyst valve)	Clean and clear orifice
No catalyst is	Plugged catalyst passageway in head of gun or catalyst tips	Inspect, clean, and clear passageways
coming from gun	No catalyst flow to gun	See Slave Pump troubleshooting for your system



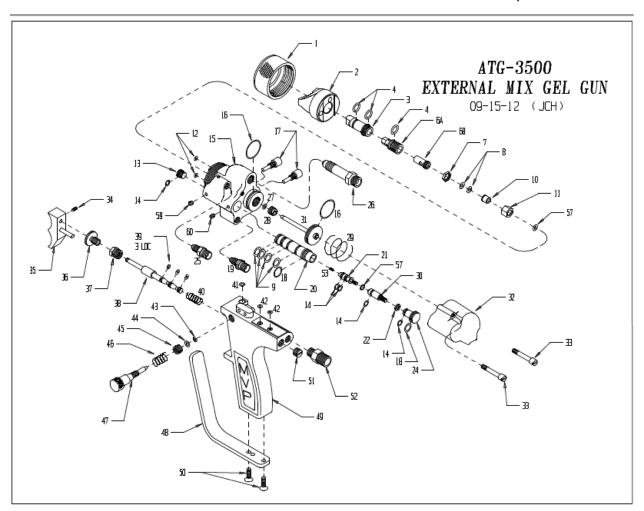
Air Assisted AT G	un Troubleshooting		
Symptom	Possible Cause	Remedy	
Material is leaking from front of gun	Loose diffuser seat	Tighten diffuser seat ½ to ½ turn at a time unti snug, then one more ¼ turn.  Note Overtightening diffuser seat may caus binding of material needle	
	Worn needle and/or seat	Replace worn items	
	O-ring on diffuser nicked or cut	Replace O-ring	
Material leaking from weep hole on side of gun	Loose diffuser seat	Tighten diffuser seat ¼ to ½ turn at a time until snug, then one more ¼ turn.  Note Overtightening diffuser seat may cause binding of material needle	
Side of guil	Worn needle packing	Replace packing and adjust as indicated in manual	

# Parts Drawings

The following illustrated parts breakdown drawings for the various gun options are included:

Applicable Parts	
Part Number	Description
ATG-3500	External Mix Gelcoat Gun
ATG-3500-A	External Mix Gelcoat Gun – Automatic
ATG-3500-FIT	External Mix Gelcoat Gun – FIT
ATG-3500-FIT-A	Gelcoat Gun – FIT – Automatic
ATG-3500-FIT-A-INT	Gelcoat Gun – FIT – AUTO – International
ATG-3500-FIT-INT	Gelcoat Gun – FIT- International
ATG-3500-INT	External Mix Gelcoat Gun – International
ATG-3500-W	External Mix Gelcoat Gun – Wetout
ATG-6500	External Mix Gelcoat Gun – With Signal
ATG-6500-COOK	Gelcoat Gun – with Signal
ATG-6500-FIT	External Mix Gelcoat Gun – FIT
ATG-6500-FIT-INT	Gelcoat Gun - FIT - International
ATG-6500-FIT-W	Gelcoat Gun - FIT - Wetout
ATG-6500-FIT-W-INT	Gelcoat Gun - FIT - Wetout - International
ATG-6500-INT	External Mix Gelcoat Gun – International
ATG-6500-W	Gelcoat Gun – Wetout
ATG-6500-W-INT	Gelcoat Gun - Wetout - International
ATG-35402-TT	Test Catalyst Tip
Optional Extension Assemb	olies
EXT-1000-ATG	ATG Gun 10" Extension Assembly
EXT-FLEX-ATG-5	ATG Gun 5 Ft Flex Extension Assembly
EXT-1800-ATG	ATG Gun 18" Extension Assembly







## ATG-3500 GEL GUN 09-15-12 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEN	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	45	ATC-40509	INSERT	1
2	UET-35402	CATALYST TIP	1	46	ATC-40506	SPRING	1
3	UET-XXX	SPRAY TIP	1	47	ATC-40505	AIR ADJUSTING SCREW	1
		(XXX = SIZE)		48	ATC-40709	GUARD	1
4*	D-E-012	□-RING	3	49	ATC-4003-2	HANDLE ASSEMBLY	1
6A	ATE-40323-A	DIFFUSER SEAT	1	50	F-FHCS-1032-08	GUARD SCREW	2
6B	ATE-40323-B	PACKING RETAINER	1	51	ATC-40106	PLUG	1
7	ATE-40319	LOCKNUT	1	52 53	PF-HN-02-04S	AIR FITTING RESTRICTOR (.040")	1
8* 9*	ATC-40304 D-S-012A	PACKING (SET OF 2)	1 4	53	ATC-40611 D-T-008	D-RING	1 2
10	ATE-40318	PACKING PRESS	1		F-SS-1032-02-SS		1
11	ATE-40317	PACKING HOUSING	1	60	ATC-40616	SET SCREW	1
12*	000-Z-0	D-RING	2	00	ATC 40010	SET SCREW	1
13	ATE-40201	CAT, CYLINDER PLUG	1				
14*	D-Z-008	D-RING	5				
15	ATG-3501	HEAD (SEE NOTE C)	1	CIDAL I	TE GOLD GEDINAME	IV.	
16*	D-Z-050	□-RING	2	SEAL E	IIT SOLD SEPARATE	LI:	
17	ATE-40701	SCREW	2	<b>υ</b> ΛΤ_	-EXT-SK SEAL K	TT	
18*	D-Z-013	□-RING	2	* A1	-EVI-2K ZEME K	,1 Ι	
19	ATE-40214	CATALYST FITTING	1	HOORG	AWATTANTE CENTANA	TOT V	
20	ATE-40206	CATALYST CYLINDER	1	HOSES	AVAILABLE SEPARA	IELIE	
21	ATE-40704	VALVE FRONT	1	11.1	RATIO PUMP:		
22	ATE-40208	LOCK WASHER	1	11.1	FLUID HOSE - HAW	-N664-XX WITH	
24	ATE-40209	CATALYST PISTON	1		HAW-0344-5 (WHIP		
25 26	ATE-40213	AIR FITTING	1		11/11 0344 3 (111111	LIIB /	
25 27*	ATG-35311 D-E-008	MATERIAL TUBE D-RING	1 1	20:1	RATIO PUMP:		
28	ATE-40305	PACKING RETAINER	1		FLUID HOSE - HAW	-0444M-XX WITH	
29	ATE-40305	SPRING	1		HAW 0344-5 (WHIP	END)	
30	ATE-40705	VALVE BACK	1				
31	ATE-40321	NEEDLE ASSY.	1	ALL F	RATIO PUMPS:		
32	ATG-3502	GUN BACK	1		REFINEMENT/TRIGG	ER AIR HOSE -	
33	ATE-40501	RETAINING SCREW	2		HA-0344-XX		
34	ATE-40108	SET SCREW	1		CATALYST HOSE -		
35	ATE-40113	BUTTON ASSEMBLY	1		CATALYST ATOMIZI	NG AIR HOSE -	
36	ATE-40111	TRIGGER LOCK	1		HA-0224-XX		
37	ATE-40101	TRIGGER HOUSING	1	VV	HOSE LENETH DEST	DCD / 3E CT	ADD \
38	ATE-40103	TRIGGER VALVE	1	XX =	HUZE LENGIH DEZI	RED (25 FT. IS STAND	ARD)
39*	D-E-006	O-RING	3				
40	ATE-40105	SPRING	1				
41*	D-B-008	O-RING	1				
42* 43*	□-B-006 □-B-007	O-RING	2 1				
43* 44*	u-в-007 ATE-40304-1	O-RING O-RING	1				
<del></del> -	VIE 40704-1	n vina	1				



## ATG-3500 GEL GUN 09-15-12 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES

ITEMS 4 - 11 AND ATC-40323-BT

ATG-35402-BIG DOUBLE SIDED CLEANABLE

CAT TIP. (SEE NOTE A.)

ATG-35402-CL SINGLE-SIDED CLEANABLE

CATALYST TIP. (SEE NOTE A.)

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TODL

MG-1018-CL ALUMINUM RETAINING RING

ATG-XXX SPRAY TIP (XXX = SIZE)

ATG-35402 CATALYST TIP FOR ATG-XXX

MG-1018 (OR MG-1018-PL) RETAINING RING FOR ATG-35402

NOTE A:

MG-1018-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG OR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALUMINUM RETAINING RING MAY BE PURCHASED INSTEAD OF THE MG-1018-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

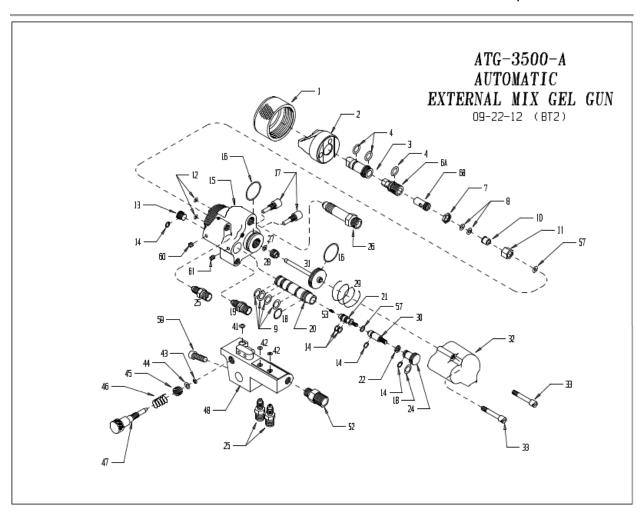
TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE C:

ATG-3501 HEAD ASSEMBLY INCLUDES ITEM 20. ATC-40206, ITEM 9. D-S-012A, ITEM 59. F-SS-1032-02-SS, AND ITEM

60. ATC-40616







## ATG-3500-A AUTO GEL GUN 09-22-12 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1 2 3	MG-1018-CL-PL UCT-35402 UCT-XXX	RETAINING RING CATALYST TIP SPRAY TIP (XXX = SIZE)	1 1 1		PF-HN-02-04S ATC-40611 D-T-008 F-CS-04C-12	AIR FITTING RESTRICTOR (.040") D-RING CAP SCREW	1 1 1
4* 6A 6B 7 8*	D-E-012 ATC-40323-A ATC-40323-B ATC-40319 ATC-40304	D-RING DIFFUSER SEAT PACKING RETAINER LOCKNUT PACKING (SET OF 2)	3 1 1 1		F-SS-1032-02-SS ATC-40616		1 1 1
9* 10 11	0-S-012A ATC-40318 ATC-40317	O-RING PRESS PACKING HOUSING	4 1 1		KIT SOLD SEPARATE -EXT-SK SEAL K		
12* 13 14*	0-S-006 ATC-40201 0-S-008	O-RING	2 1 5	HOSES	AVAILABLE SEPARA	TELY:	
15 16* 17 18*	ATG-3501 0-S-020 ATC-40701 0-S-013	HEAD (SEE NOTE B)  O-RING  SCREW  O-RING	1 2 2 2	11:1	RATIO PUMP: FLUIO HOSE - HAW HAW-0344-5 (WHIF		
19 20* 21 22	ATC-40214 ATC-40206 ATC-40704 ATC-40208	CATALYST FITTING CATALYST CYLINDER VALVE FRONT LOCK WASHER	1 1 1 1	20:1	RATIO PUMP: FLUID HOSE - HAW HAW 0344-5 (WHIF		
24 25 26 27*	ATC-40209 ATC-40213 ATG-35311 D-E-008	CATALYST PISTON AIR FITTING MATERIAL TUBE O-RING	1 3 1	ALL F	RATIO PUMPS: REFINEMENT/TRIGG HA-0344-XX		
28 29 30	ATC-40305 ATC-40325 ATC-40705	PACKING RETAINER SPRING VALVE BACK	1 1 1		CATALYST HOSE - CATALYST ATOMIZI HA-0224-XX		
31 32 33 41*	ATC-40321 ATG-3502 ATC-40501 D-B-008	NEEDLE ASSY. GUN BACK RETAINING SCREW D-RING	1 1 2 1	XX =	HOSE LENGTH DESI	RED (25 FT, IS STAN	(DARD)
42* 43* 44* 45	□-B-006 □-B-007 ATC-40304-1 ATC-40509	O-RING O-RING O-RING INSERT	2 1 1				
45 47 48	ATC-40505 ATC-40505 ATC-4003-A	SPRING AIR ADJUSTING SCREW AUTO, HANDLE	1				



## ATG-3500-A AUTO GEL GUN 09-22-12 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES

ITEMS 4 - 11 AND ATC-40323-BT

ATG-35402-BIG DOUBLE SIDED CLEANABLE

CAT TIP. (SEE NOTE A.)

ATG-35402-CL SINGLE-SIDED CLEANABLE

CATALYST TIP. (SEE NOTE A.)

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018-CL ALLMINUM RETAINING RING

ATG-XXX SPRAY TIP

ATG-35402 CATALYST TIP FOR ATG-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING

FOR ATG-35402

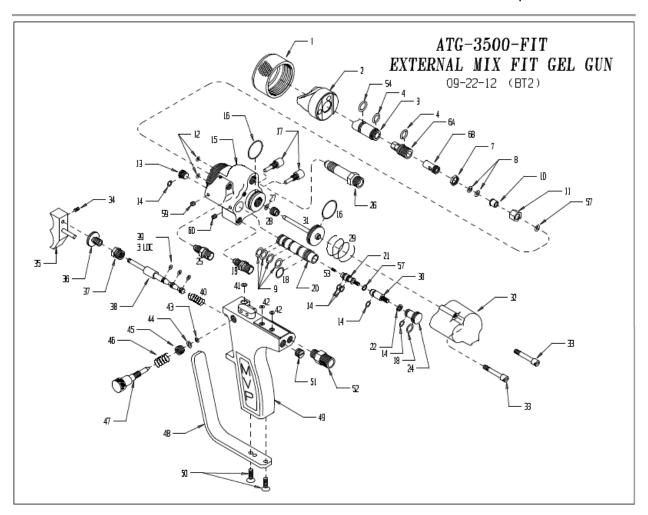
#### NOTE A:

MG-1018-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG DR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALLMINUM RETAINING RING MAY BE PURCHASED INSTEAD OF THE MG-1018-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

ATG-3501 HEAD ASSEMBLY INCLLIDES ITEM 20. ATC-40206, ITEM 9. D-S-012A, ITEM 60. F-SS-1032-02-SS, AND ITEM 61. ATC-40616







## ATG-3500-FIT FIT GEL GUN 09-22-12 PARTS KEY

PARIS KEI							
ITEM	PART #	DESCRIPTION	QTY	ITEN	PART #	DESCRIPTION	QTY
1 2 3	MG-1018-CL-PL UGT-35402 UGT-XXXX	RETAINING RING CATALYST TIP SPRAY TIP (XXXX - SIZE)	1 1 1	47 48 49 50	ATC-40505 ATC-40709 ATC-4003-2 E-EHCS-1032-08	AIR ADJUSTING SCREW GUARD HANDLE ASSEMBLY GUARD SCREW	1 1
3 4* 6A 6B 7 8* 9* 10 11 12* 13 14* 15 16* 19 20 21 22 24 25 26 27* 28 29 30 31 32 33 34 35 36 37 38	UGT-XXXX  D-E-012  ATC-40323-A  ATC-40323-B  ATC-40304  D-S-012A  ATC-40318  ATC-40317  D-S-006  ATC-40201  D-S-008  ATG-3501  D-S-020  ATC-40701  D-S-013  ATC-40214  ATC-40206  ATC-40206  ATC-40208  ATC-40209  ATC-40113  ATC-40101  ATC-40101  ATC-40101	SPRAY TIP  (XXXX = SIZE)  D-RING  DIFFUSER SEAT  PACKING RETAINER  LDCKNUT  PACKING (SET DF 2)  D-RING  PACKING PRESS  PACKING HOUSING  D-RING  CAT. CYLINDER PLUG  D-RING  HEAD (SEE NOTE B)  D-RING  SCREW  D-RING  CATALYST FITTING  CATALYST FITTING  CATALYST CYLINDER  VALVE FRONT  LOCK WASHER  CATALYST PISTON  AIR FITTING  MATERIAL TUBE  D-RING  PACKING RETAINER  SPRING  VALVE BACK  NEEDLE ASSY.  GUN BACK  RETAINING SCREW  SET SCREW  BUTTON ASSEMBLY  TRIGGER HOUSING  TRIGGER VALVE	1 2 1 1 1 1 1 4 1 1 2 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	49 50 51 52 53 54* 57* 59 60 SEAL K * AT- HOSES FLUIC CATAL CATAL	ATC-4003-2 F-FHCS-1032-08 ATC-40106 PF-HN-02-04S ATC-40611 D-E-013 D-T-008 F-SS-1032-02-SS ATC-40616  ATT SOLD SEPARATE  AVAILABLE SEPARA  O HOSE - HAW-0664 (WHIP ENI LEMENT/TRIGGER AII LYST ATOMIZING AII	HANDLE ASSEMBLY GLIARD SCREW PLUG AIR FITTING RESTRICTOR (.040") D-RING D-RING SET SCREW SET SCREW  LY  IT  FELY:  -XX WITH HAW-0444-5 D) R HOSE - HA-0344-XX	1 2 1 1 1 1 2 1 1
39* 40	D-E-006 ATE-40105	D-RING SPRING	1				
41* 42* 43* 44* 45	□-B-008 □-B-006 □-B-007 ATC-40304-1 ATC-40509	O-RING O-RING O-RING O-RING INSERT	1 2 1 1				
46	ATE-40506	SPRING	1				



## ATG-3500-FIT FIT GEL GUN 09-22-12 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES

ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TOOL

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018 ALUMINUM RETAINING RING

FGT-35402-3 FGT STYLE CATALYST TIP

FGT-XXXX-HT FGT STYLE SPRAY TIP

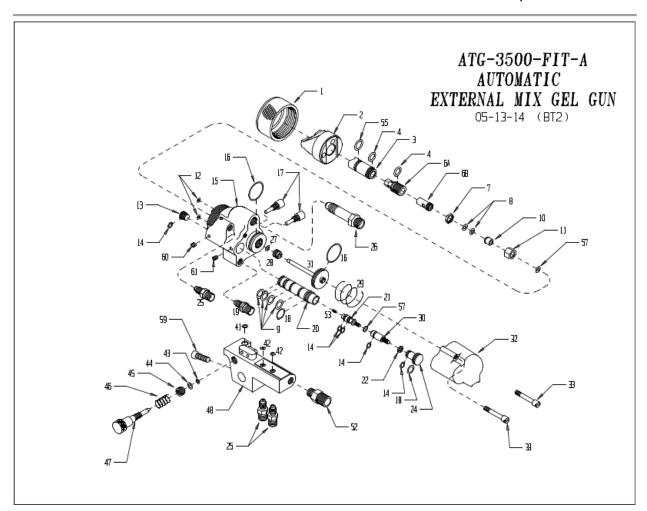
#### NOTE A:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE B:

ATG-3501 HEAD ASSEMBLY INCLUDES ITEM 20. ATC-40206, ITEM 9. D-S-012A, ITEM 59. F-SS-1032-02-SS, AND ITEM 60. ATC-40616







## ATG-3500-FIT-A AUTO GEL GUN 05-13-14 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	52	PF-HN-02-04S	AIR FITTING	1
2	UGT-35402	CATALYST TIP	1		ATC-40611	RESTRICTOR (.040")	1
3	UGT-XXXX	SPRAY TIP (XXXX = SIZE)	1		D-E-013 D-T-008	D-RING	1
4*	D-E-012	U-RING	2		F-CS-04C-12	D-RING CAP SCREW	1
6A	ATE-40323-A	DIFFUSER SEAT	1		F-SS-1032-02-SS		1
6B	ATE-40323-B	PACKING RETAINER	1		ATC-40616	SET SCREW	1
7	ATE-40319	LOCKNUT	1	01	A1C 40010	SEL SCKEN	1
8*	ATE-40304	PACKING (SET OF 2)	-				
9*	D-Z-012A	D-RING	4	CIDAL	CIT SOLD SEPARATE	TV.	
10	ATE-40318	PACKING PRESS	1	SEAL I	III SULU SEPARAIE	LI:	
11	ATE-40317	PACKING HOUSING	1	»k: ∧ T-	-EXT-SK SEAL K	TT	
12*	D-Z-006	□-RING	2	T A.I	TVI 2V 2FVF V	.11	
13	ATE-40201	CAT. CYLINDER PLUG	1				
14*	D-Z-008	D-RING	5	HOSES	AVAILABLE SEPARAT	TELY:	
15	ATG-3501	HEAD (SEE NOTE B)	1			NO. 117711 11111 5444 5	
16*	D-Z-020	□-RING	2	FLUIL		-XX WITH HAW-0444-5	
17	ATE-40701	SCREW	2	DEET	(WHIP EN		
18*	D-Z-013	□-RING	2			R HOSE - HA-0344-XX	
19	ATE-40214	CATALYST FITTING	1		.YST HOSE - HC-02	24-xx R HOSE - HA-0224-XX	
20*	ATE-40206	CATALYST CYLINDER	1	LATAL	.131 AIDHIZING AII	K NUSE - NA-UZZ4-XX	
21	ATE-40704	VALVE FRONT	1	YY -	חטב ו באבדם חבקדו	RED (25 FT. IS STAND	V DU V
22	ATE-40208	LOCK WASHER	1	^^ -	HOSE CEMBIN DEST	VED (53 ET. 13 31AND	AKD/
24	ATE-40209	CATALYST PISTON	1				
25	ATE-40213	AIR FITTING	3				
26 27*	ATG-35311 D-E-00B	MATERIAL TUBE D-RING	1				
27*	ATE-40305	PACKING RETAINER	1				
29	ATE-40305 ATE-40325	SPRING RETAINER	1				
30	ATE-40325	VALVE BACK	1				
31	ATE-40321	NEEDLE ASSY.	1				
32	ATG-3502	GUN BACK	1				
33	ATE-40501	RETAINING SCREW	2				
41*	D-B-008	D-RING	1				
42*	D-B-006	D-RING	2				
43*	D-B-007	D-RING	1				
44*	ATE-40304-1	D-RING	1				
45	ATE-40509	INSERT	1				
46	ATE-40506	SPRING	1				
47	ATE-40505	WARDS DNITSULDA RIA	1				
48	ATE-4003-A	AUTO, HANDLE	1				



# ATG-3500-FIT-A AUTO GEL GUN 05-13-14 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES
ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018-CL ALLMINUM RETAINING RING

UGT-XXX SPRAY TIP

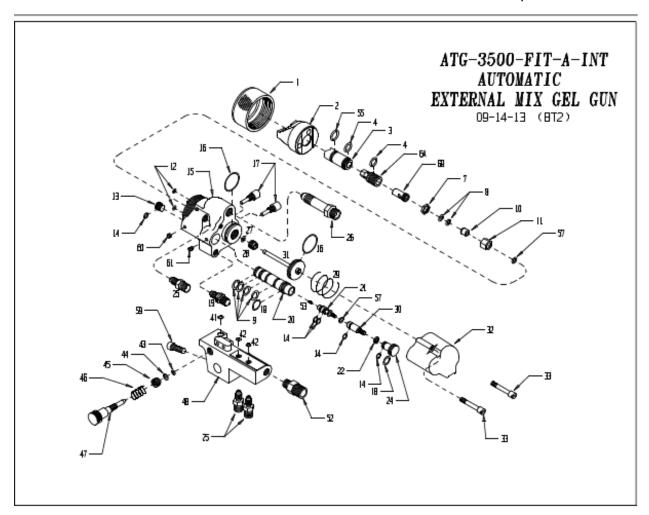
#### NOTE A:

MG-1018-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG DR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALLMINUM RETAINING RING MAY BE PURCHASED INSTEAD OF THE MG-1018-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

ATG-3501 HEAD ASSEMBLY INCLUDES ITEM 20. ATC-40206, ITEM 9. D-S-012A, ITEM 60. F-SS-1032-02-SS, AND ITEM 61. ATC-40616







## ATG-3500-FIT-A-INT AUTO GEL GUN 09-14-13 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	52	PF-HN-02-04S	AIR FITTING	1
2	UGT-35402-INT	CATALYST TIP	1	53	ATE-40511	RESTRICTOR (.040")	1
3	UGT-XXXX	SPRAY TIP	1	55	D-E-013	D-RING	1
١.		( SZIZ = XXXX)	_		D-T-008	D-RING	2
4*	D-E-012	D-RING	2	59	F-CS-04C-12	CAP SCREW	1
6A	ATC-40323-A	DIFFUSER SEAT	1		F-SS-1032-02-SS		1
6B 7	ATC-40323-B ATC-40319	PACKING RETAINER LOCKNUT	1	61	ATE-40616	SET SCREW	1
8*	ATE-40319	PACKING (SET OF 2)	1				
9*	D-Z-012A	D-RING	4				
10	ATC-40318	PACKING PRESS	1	SEAL 1	KIT SOLD SEPARATE	LY:	
11	ATE-40317	PACKING HOUSING	1	+ AT	באד פע פרע ע	7.7.7	
12*	000-2-0	D-RING	2	* #1	-EXT-SK SEAL K	7.1	
13	ATC-40201	CAT. CYLINDER PLUG	1				
14*	B00-Z-D	O-RING	5	HOSES	AVAILABLE SEPARA	TELY:	
15	ATG-3501	HEAD (SEE NOTE B)	1				
16*	020-2-0	O-RING	2	FLUID		-XX WITH HAW-0444-5	
17	ATC-40701	ZCKEM	2	DEET	(WHIP EN		
18*	E10-Z-0	O-RING	2			R HOSE - HA-0344-XX	
19	ATC-40216	CATALYST FITTING	1		-PHDH - 320H TZY.	UZ3J3J-XXLL R HOSE - HA-0224-XX	
20*	ATC-40206	CATALYST CYLINDER	1	LATAL	. 121 AIUMIZING AI	R HUSE - HA-UZZ4-XX	
21	ATC-40704	VALVE FRONT	1	VV -	HUGE LENGTH DEST	RED (25 FT, IS STAND	APD 5
22	ATE-40208	LOCK WASHER	1	^^ -	LOTE CEMBIN OFT	VED 157 LI. 17 71WA	AKU /
24	ATE-40209	CATALYST PISTON	1				
25	ATC-40213	AIR FITTING	3				
26 27*	ATG-35311 D-E-008	MATERIAL TUBE O-RING	1				
28	ATE-40305	PACKING RETAINER	1				
29	ATE-40305	SPRING	1				
30	ATE-40705	VALVE BACK	1				
31	ATE-40321	NEEDLE ASSY.	1				
32	ATG-3502	GUN BACK	1				
33	ATC-40501	RETAINING SCREW	2				
41*	D-8-008	O-RING	1				
42*	D-B-006	O-RING	2				
43*	D-B-007	O-RING	1				
44*	ATE-40304-1	D-RING	1				
45	ATE-40509	INSERT	1				
46	ATE-40506	SPRING	1				
47	ATC-40505	WESD2 DNIT2ULDA SIA					
48	ATE-4003-A	AUTO, HANDLE	1				



## ATG-3500-FIT-A-INT AUTO GEL GUN 09-14-13 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40204-1 CAT, VALVE D-RING TOOL

MG-LOLB-CL ALUMINUM RETAINING RING

UGT-XXXX SPRAY TIP

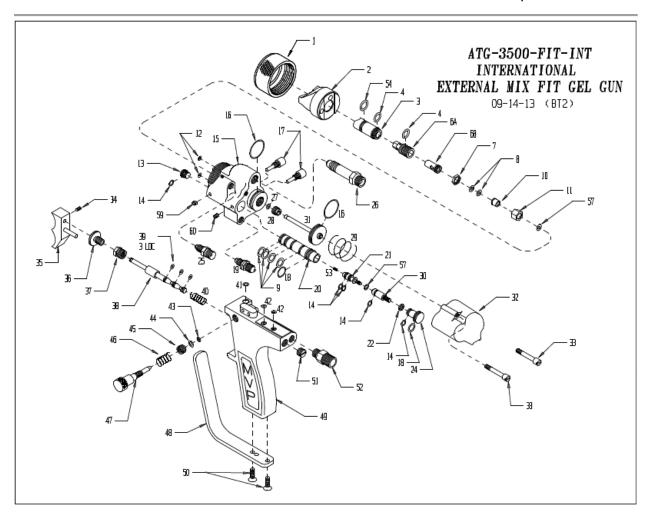
#### NOTE A:

MG-LOLB-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG OR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALUMINUM RETAINING RING MAY BE PURCHASED INSTEAD OF THE MG-LOLB-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

ATG-35D1 HEAD ASSEMBLY INCLUDES ITEM 20. ATC-40206, ITEM 9. D-S-D12A, ITEM 60. F-SS-1032-02-SS, AND ITEM 61. ATC-40616







# ATG-3500-FIT-INT FIT GEL GUN 09-14-13 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	45	ATC-40509	INSERT	1
2 3	UGT-35402-INT UGT-XXXX	CATALYST TIP SPRAY TIP	1	46 47	ATC-40506 ATC-40505	SPRING AIR ADJUSTING SCREW	
4*	D-E-012	(XXXX = SIZE) O-RING	2	48 49	ATC-40709 ATC-4003-2	GLIARD HANDLE ASSEMBLY	1
6A 6B	ATC-40323-A ATC-40323-B	DIFFUSER SEAT PACKING RETAINER	1	50 51	F-FHCS-1032-08 ATC-40106	GUARD SCREW PLUG	2
7	ATC-40319	LOCKNUT	1	52	PF-HN-02-04S	AIR FITTING	1
8*	ATC-40304	PACKING (SET OF 2)	1	53	ATC-40611	RESTRICTOR (.040")	1
9* 10	□-S-012A ATC-40318	O-RING PACKING PRESS	4		□-E-013 □-T-008	D-RING D-RING	1 2
11	ATC-40317	PACKING HOUSING	1	59	F-SS-1032-02-SS		1
12*	0-2-006	O-RING	2	60	ATC-40616	SET SCREW	1
13 14*	ATC-40201 D-S-008	CAT. CYLINDER PLUG O-RING	1 5				
15	ATG-3501	HEAD (SEE NOTE B)	1				
16* 17	□-S-020 ATC-40701	O-RING SCREW	2	SEAL	KIT SOLD SEPARATI	RLY:	
18*	D-S-013	D-RING	2	* ΔT	-EXT-SK SE	AL KIT	
19	ATC-40216	CATALYST FITTING	1	* 71	ENT SIX SEA	AL KII	
20 21	ATC-40206 ATC-40704	CATALYST CYLINDER VALVE FRONT	1				
22	ATC-40208	LOCK WASHER	1	HOSES	AVAILABLE SEPARA	ATELY:	
24	ATC-40209	CATALYST PISTON	1	FLUI	2010-WAH - 320H	4-XX WITH HAW-0444-5	
25 26	ATC-40213 ATG-35311	AIR FITTING MATERIAL TUBE	1	DEET	(WHIP E		
27*	□-E-008	O-RING	1		NEMENIZIRIGGER A. LYST HOSE - HCHP-	-0344-XX -023J3J-XXLC	
28 29	ATC-40305 ATC-40325	PACKING RETAINER SPRING	1			IR HOSE - HA-0224-XX	
30	ATC-40705	VALVE BACK	1	vv	UDSE LENETH DES	IRED (25 FT. IS STAN	
31	ATC-40321	NEEDLE ASSY.	1	^^ =	: NUSE LENGIN DES.	IKED (23 FT. 13 31AN	JWC /
32 33	ATG-3502 ATC-40501	GUN BACK RETAINING SCREW	1 2				
34	ATC-40108	SET SCREW	1				
35	ATC-40113	BUTTON ASSEMBLY	1				
36 37	ATC-40111 ATC-40101	TRIGGER LOCK TRIGGER HOUSING	1				
38	ATC-40103	TRIGGER VALVE	1				
39* 40	□-E-006 ATC-40105	O-RING SPRING	3 1				
41*	D-B-008	O-RING	1				
42*	□-B-006	O-RING	2				
43* 44*	□-B-007 ATC-40304-1	O-RING O-RING	1				
		2 VING	1				



# ATG-3500-FIT-INT FIT GEL GUN 09-14-13 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES
ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-BT

ATC-40103-1 TRIGGER VALVE D-RING TOOL

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018 ALUMINUM RETAINING RING

FGT-35402-INT FGT STYLE CATALYST TIP

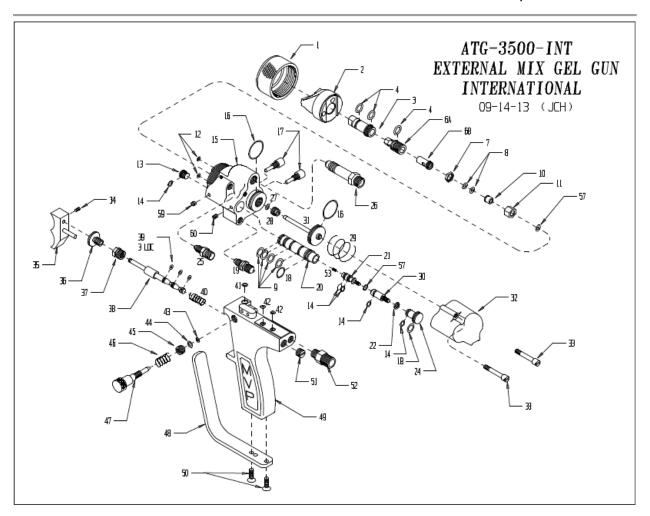
FGT-XXXX-HT FGT STYLE SPRAY TIP

#### NOTE A:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

# NOTE B:







# ATG-3500-INT GEL GUN 09-14-13 PARTS KEY, PAGE 1

TANIS KEI, TAGE I							
ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	47	ATC-40505	AIR ADJUSTING SCREW	1
2	UCT-35402-INT	CATALYST TIP	1	48	ATC-40709	GLIARD	1
3	UCT-XXX	SPRAY TIP	1	49	ATC-4003-2	HANDLE ASSEMBLY	1
		(XXX = SIZE)		50	F-FHCS-1032-08	GUARD SCREW	2
4*	D-E-012	O-RING	3	51	ATC-40106	PLUG	1
6A	ATC-40323-A	DIFFUSER SEAT	1	52	PF-HN-02-04S	AIR FITTING	1
6B	ATC-40323-B	PACKING RETAINER	1	53	ATC-40611	RESTRICTOR (.040")	1
7	ATC-40319	LOCKNUT	1		□-T-008	O-RING	2
8*	ATC-40304	PACKING (SET OF 2)	1	59	F-SS-1032-02-SS		1
9*	D-S-012A	O-RING	4	60	ATC-40616	SET SCREW	1
10	ATC-40318	PACKING PRESS	1				
11	ATC-40317	PACKING HOUSING	1				
1	000-2-0	O-RING	2				
13	ATC-40201	CAT. CYLINDER PLUG		SEAL	KIT SOLD SEPARATI	SLY:	
	0-2-008	O-RING	5	4.T	EVT BK	CEAL MIT	
15	ATG-3501	HEAD (SEE NOTE C)	1	* A1	-EXT-SK	SEAL KIT	
	D-S-020	O-RING	2				
17	ATC-40701	SCREW	2	HOSES	AVAILABLE SEPARA	ATRLY-	
	D-S-013	O-RING	2	10020			
19	ATC-40216	J. I.C. CAT. FITTING		11:1	RATIO PUMP:		
20*	ATC-40206	CATALYST CYLINDER VALVE FRONT	1		FLUID HOSE - HA	W-0664-XX WITH	
21	ATC-40704 ATC-40208	LOCK WASHER	1		HAW-0344-5 (WHIF	P END)	
24	ATC-40209	CATALYST PISTON	1				
25	ATC-40209 ATC-40213	AIR FITTING	1	20:1	RATIO PUMP:		
26	ATG-35311	MATERIAL TUBE	1		FLUID HOSE - HA	W-0444M-XX WITH	
27*	D-E-008	O-RING	1		HAW 0344-5 (WHI	P END)	
28	ATC-40305	PACKING RETAINER	1				
29	ATC-40325	SPRING	1	ALL	RATIO PUMPS:		
30	ATC-40705	VALVE BACK	1		REFINEMENT/TRIGO	GER AIR HOSE -	
31	ATC-40321	NEEDLE ASSY.	1		HA-0344-XX		
32	ATG-3502	GUN BACK	2		CATALYST HOSE -	HCHP-023J3J-XXLC	
33	ATC-40501	RETAINING SCREW	1		CATALYST ATOMIZ	ING AIR HOSE -	
34	ATC-40108	SET SCREW	1		HA-0224-XX		
35	ATC-40113	BUTTON ASSEMBLY	1				
36	ATC-40111	TRIGGER LOCK	1	XX =	HOSE LENGTH DES	IRED (25 FT. IS STAND	JARD >
37	ATC-40101	TRIGGER HOUSING	1				
38	ATC-40103	TRIGGER VALVE	3				
39*	□-E-006	O-RING	1				
40	ATC-40105	SPRING	1				
41*	□-B-008	O-RING	2				
42*	□-B-006	O-RING	1				
43*	□-B-007	O-RING	1				
44*	ATC-40304-1	O-RING	1				
45	ATC-40509	INSERT	1				
46	ATC-40506	SPRING	1				



# ATG-3500-INT GEL GUN 09-14-13 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES

ITEMS 4 THRU 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TODL

ATG-35402-BIG- DOUBLE-SIDED CLEANABLE
INT CATALYST TIP (SEE NOTE A.)

ATG-35402-CL- SINGLE-SIDED CLEANABLE INT CATALYST TIP (SEE NOTE A.)

MG-1018-CL ALUMINUM RETAINING RING

ATG-XXX SPRAY TIP (XXX = SIZE)

ATG-35402-INT CATALYST TIP FOR ATG-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING FOR ATG-35402-INT

NOTE A: MG-1018-CL-PL RETAINING RING IS

NEEDED WHEN USING EITHER

ATG-35402-BIG-INT OR ATG-35402
CL-INT CATALYST TIPS. (A MG-1018-CL

ALUMINUM RETAINING RING MAY BE

PURCHASED INSTEAD OF THE MG-1018-CL-PL

DELRIN PLASTIC RING)

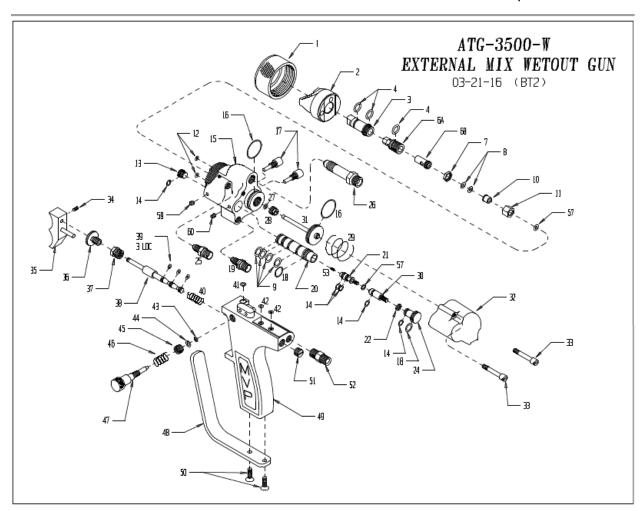
NOTE B: TRIGGER VALVE D-RINGS ARE MADE
OF EPR RUBBER AND CAN ONLY BE
LUBRICATED WITH "SUPER D LUBE".

NOTE C: ATG-3501 HEAD ASSEMBLY INCLUDES ITEM ATC-40206, ITEM 9. D-S-012A, ITEM

F-SS-1032-02-SS, AND ITEM

6D. ATC-40616







# ATG-3500-W WETOUT GUN 03-21-16 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEN	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	45	ATC-40509	INSERT	1
2	UCT-35402	CATALYST TIP	1	46	ATC-40506	SPRING	1
3	⊔CT-552	SPRAY TIP	1	47	ATC-40505	AIR ADJUSTING SCREW	1
		(XXX = SIZE)		48	ATC-40709	GUARD	1
4*	D-E-012	O-RING	3	49	ATC-4003-2	HANDLE ASSEMBLY	1
6A	ATC-40323-A	DIFFUSER SEAT	1	50	F-FHCS-1032-08	GLIARD SCREW	2
68	ATC-40323-B	PACKING RETAINER	1	51	ATC-40106	PLUG	1
7 8*	ATC-40319 ATC-40304	LOCKNUT PACKING (SET OF 2)	1 1	52 53	PF-HN-02-04S ATC-40611	AIR FITTING RESTRICTOR (.040")	1
9*	D-S-012A	U-BING (25) OF 2)	4		□-T-008	D-RING	2
10	ATC-40318	PACKING PRESS	1	59	F-SS-1032-02-SS		1
11	ATC-40317	PACKING HOUSING	1	60	ATC-40616	SET SCREW	1
12*	D-Z-006	D-RING	2				•
13	ATC-40201	CAT. CYLINDER PLUG	1				
14*	800−2−□	□-RING	5				
15	ATG-3501	HEAD (SEE NOTE C)	1	CTAI E	KIT SOLD SEPARATE	ıv.	
16*	D-Z-020	D-RING	2	DEAL B	III SOLD SEFAMAIE	ш.	
17	ATC-40701	SCREM	2	* AT-	-EXT-SK SEAL K	TT	
18*	D-S-013	O-RING	2		ENT SK SEME K	.11	
19	ATC-40214	CATALYST FITTING	1	HUGBG	AVAILABLE SEPARA	TPIV.	
20	ATC-40206	CATALYST CYLINDER	1	поэвэ	AVAILADLE SEFANA	ILLI.	
21	ATC-40704	VALVE FRONT	1	6:1 F	RATIO PUMP:		
22 24	ATC-40208	LOCK WASHER	1	0.11	FLUID HOSE - HFL	-0666-XX AND	
24	ATC-40209 ATC-40213	CATALYST PISTON AIR FITTING	1			ATTACH HOSE TO GUN	
25	ATG-35311	MATERIAL TUBE	1				
27*	D-E-008	D-RING	1	11:1	RATIO PUMP:		
28	ATC-40305	PACKING RETAINER	1		FLUID HOSE - HAW	-0664-XX WITH	
29	ATC-40325	SPRING	1		HAW 0444-5 (WHIP	(END)	
30	ATC-40705	VALVE BACK	1				
31	ATC-40321	NEEDLE ASSY.	1	ALL F	RATIO PUMPS:		
32	ATG-3502	GUN BACK	1		REFINEMENT/TRIGG	ER AIR HOSE -	
33	ATC-40501	RETAINING SCREW	2		HA-0344-XX	UE 0004 VV	
34	ATC-40108	SET SCREW	1		CATALYST HOSE - CATALYST ATOMIZI		
35	ATC-40113	BUTTON ASSEMBLY	1		HA-0224-XX	NO AIK UDZE -	
36	ATC-40111	TRIGGER LOCK	1		11A 0224 AA		
37	ATC-40101	TRIGGER HOUSING	1 1	XX =	HOSE LENGTH DEST	RED (25 FT. IS STAND	ARD)
38	ATC-40103	TRIGGER VALVE	_		The Letter Bees		
39* 40	D-E-006 ATC-40105	O-RING SPRING	3 1				
41*	D-B-008	D-RING	1				
42*	D-B-006	D-RING	2				
43*	□-B-007	D-RING	1				
44*	ATC-40304-1	O-RING	1				



# ATG-3500-W WETOUT GUN 03-21-16 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

230LJJNI HJIHW YJBM322A 330IJTRAN TB-ESE04-JTA QNA 11 - 4 ZM3TI

ATG-35402-BIG DOUBLE SIDED CLEANABLE

CAT TIP. (SEE NOTE A.)

ATG-35402-CL SINGLE-SIDED CLEANABLE

CATALYST TIP. (SEE NOTE A.)

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TOOL

ATC-40204-1 CAT. VALVE D-RING TODL

MG-1018-CL ALLMINUM RETAINING RING

ATC-XXX SPRAY TIP (XXX = SIZE)

ATG-35402 CATALYST TIP FOR ATC-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING FDR ATG-35402

#### NOTE A:

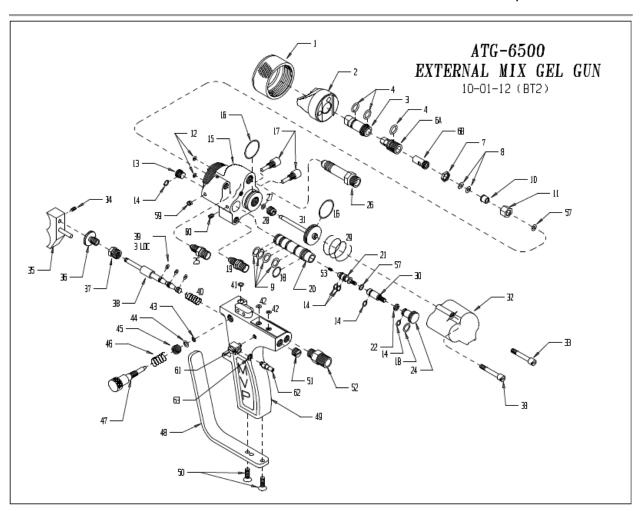
MG-1018-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG DR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALLMINUM RETAINING RING MAY BE PLRCHASED INSTEAD DF THE MG-1018-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE C:







# ATG-6500 GEL GUN 10-01-12 PARTS KEY, PAGE 1

ITEN	PART #	DESCRIPTION	QTY	ITEN	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	45	ATC-40509	INSERT	1
2	UCT-35402	CATALYST TIP	1	46	ATC-40506	SPRING	1
3	⊔CT-XXX	SPRAY TIP	1	47	ATC-40505	AIR ADJUSTING SCREW	1
		(XXX = ZIZE)		48	ATC-40709	GUARD	1
4*	D-E-012	D-RING	3	49	ATC-4003-SIG	HANDLE ASSEMBLY	1
6A	ATC-40323-A	DIFFUSER SEAT	1	50	F-FHCS-1032-08	GLIARD SEREW	2
5B	ATC-40323-B	PACKING RETAINER	1	51	ATC-40106	PLUG	1
7	ATC-40319	LOCKNUT	1	52	PF-HN-02-04S	AIR FITTING	1
8*	ATC-40304	PACKING (SET OF 2)	1	53	ATC-40611	RESTRICTOR (.040")	1
9*	D-Z-015Y	O-RING	4		□-T-008	O-RING	2
10	ATC-40318	PACKING PRESS	1	59	F-SS-1032-02-SS		1
11	ATC-40317	PACKING HOUSING	1	60	ATC-40616	SET SCREW	1
12*	0-2-006	D-RING	2	61	TRU-1021	ELBOW	1
13	ATC-40201	CAT. CYLINDER PLUG	1	62	TRU-1022	BARB	1
14*	D-Z-008	D-RING	5	63	7304-3-1	SEAL	1
15	ATG-3501	HEAD (SEE NOTE C)	1				
16*	D-S-020	D-RING	2	OPAI D	KIT SOLD SEPARATE	ı v.	
17 18*	ATC-40701 D-S-013	SCREW D-RING	2 2	SEAL P	III SULU SEPAKAIE	T1:	
19	ATC-40214	CATALYST FITTING	1	* ΛT.	-EXT-SK SEAL K	·TT	
20	ATC-40214 ATC-40206	CATALYST CYLINDER	1	T A1	-EVI-2K ZEME K	.11	
21	ATC-40704	VALVE FRONT	1	TAGEG	ARATIANIN CONTINA	mm 1/	
22	ATC-40208	LOCK WASHER	1	HUSES	AVAILABLE SEPARA	TELY:	
24	ATC-40209	CATALYST PISTON	1	11.1	DATTO DUMO.		
25	ATC-40213	AIR FITTING	1	11:1	RATIO PUMP: FLUID HOSE - HAW	LOEEALVV WITH	
26	ATG-35311	MATERIAL TUBE	1		HAW-0344-5 (WHIF		
27*	D-E-008	D-RING	1		HAM-OSHA-3 (MUTH	CIND )	
28	ATC-40305	PACKING RETAINER	1	20 - 1	RATIO PUMP:		
29	ATC-40325	SPRING	1	20.1	FLUID HOSE - HAW	/-O444M-XX WITH	
30	ATC-40705	VALVE BACK	1		HAW 0344-5 (WHIF		
31	ATC-40321	NEEDLE ASSY.	1		77.11 03-1-1 0 (11/12)	21107	
32	ATG-3502	GLIN BACK	1	ALL F	RATIO PUMPS:		
33	ATC-40501	RETAINING SCREW	2		REFINEMENT/TRIGG	ER AIR HOSE -	
34	ATC-40108	SET SCREW	1		HA-0344-XX		
35	ATC-40113	BUTTON ASSEMBLY	1		CATALYST HOSE -	HC-0224-XX	
36	ATC-40111	TRIGGER LOCK	1		CATALYST ATOMIZI	NG AIR HOSE -	
37	ATC-40101	TRIGGER HOUSING	1		HA-0224-XX		
38	ATC-40103	TRIGGER VALVE	1				
39*	D-E-006	D-RING	3	XX =	HOSE LENGTH DESI	RED (25 FT. IS STAND	ARD)
40	ATC-40105	SPRING	1				
41*	D-B-00B	D-RING	1				
42*	□-B-006	D-RING	2				
43*	D-B-007	O-RING	1				
44*	ATC-40304-1	D-RING	1				



# ATG-6500 GEL GUN 10-01-12 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATG-35402-BIG DOUBLE SIDED CLEANABLE

CAT TIP. (SEE NOTE A.)

ATG-35402-CL SINGLE-SIDED CLEANABLE

CATALYST TIP. (SEE NOTE A.)

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018-CL ALUMINUM RETAINING RING

ATG-XXX SPRAY TIP (XXX = SIZE)

ATG-35402 CATALYST TIP FOR ATG-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING FDR ATG-35402

#### NOTE A:

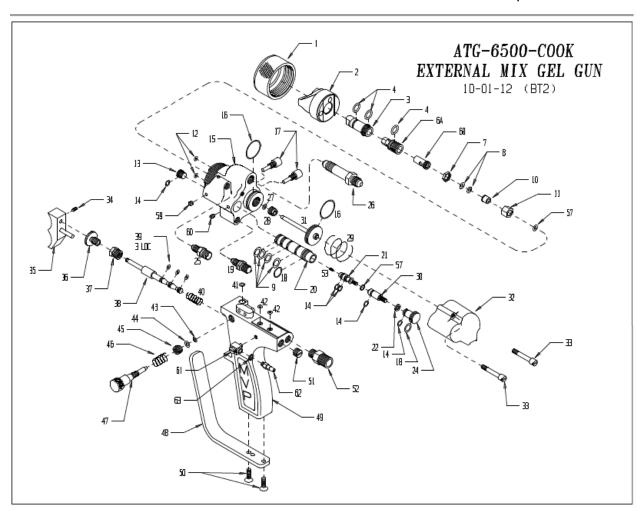
MG-1018-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG OR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALLMINUM RETAINING RING MAY BE PLRCHASED INSTEAD OF THE MG-1018-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE C:



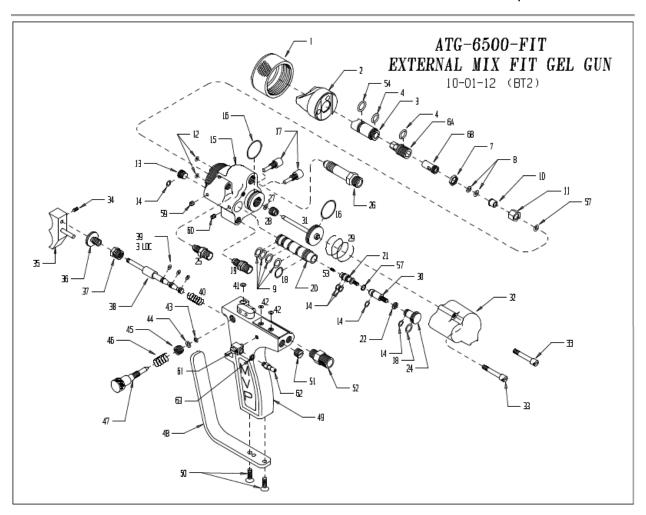




# ATG-6500-COOK GEL GUN 10-01-12 PARTS KEY

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	45	ATC-40509	INSERT	1
2	UET-35402	CATALYST TIP	1	46	ATC-40506	SPRING	1
3	UET-XXX	SPRAY TIP	1	47	ATC-40505	AIR ADJUSTING SCREW	1
		(XXX = SIZE)		48	ATC-40709	GUARD	1
4*	D-E-012	O-RING	3	49	ATC-4003-SIG	HANDLE ASSEMBLY	1
6A	ATE-40323-A	DIFFUSER SEAT	1	50	F-FHCS-1032-08	GUARD SCREW	2
6B	ATE-40323-B	PACKING RETAINER	1	51	ATC-40106	PLUG	1
7	ATE-40319	LOCKNUT	1	52	PF-HN-02-04S	AIR FITTING	1
8*	ATE-40304	PACKING (SET OF 2)	1	53	ATC-40611	RESTRICTOR (.040")	1
9*	D-Z-012A	O-RING	4		□-T-008	D-RING	2
10	ATE-40318	PACKING PRESS	1	59	F-SS-1032-02-SS		1
11	ATE-40317	PACKING HOUSING	1	60	ATC-40616	SET SCREW	1
12*	0-2-006	O-RING	2	61	TRU-1021	ELBOW	1
13	ATE-40201	CAT. CYLINDER PLUG	1	52	TRU-1022	BARB	1
14*	D-Z-008	O-RING	5	63	7304-3-1	SEAL	1
15	ATG-3501	HEAD (SEE NOTE C)	1				
16*	D-S-020	O-RING	2	ODAL I	TE COID CEDIDAND	TV-	
17	ATE-40701	SCREW	2 2	SEAL E	IIT SOLD SEPARATE	ri:	
18* 19	0-2-013	D-RING	1	Ψ ΛT.	-EXT-SK SEAL K	TT	
20	ATE-40216 ATE-40206	CATALYST FITTING CATALYST CYLINDER	1	* AI-	-EVI-7V 7EWF V	11	
21	ATE-40704	VALVE FRONT	1				
22	ATE-40208	LOCK WASHER	1				
24	ATE-40209	CATALYST PISTON	1				
25	ATE-40213	AIR FITTING	1				
26	ATG-35311-04J	MATERIAL TUBE	1				
27*	D-E-008	O-RING	1				
28	ATE-40305	PACKING RETAINER	1				
29	ATE-40325	SPRING	1				
30	ATE-40705	VALVE BACK	1				
31	ATE-40321	NEEDLE ASSY.	1				
32	ATG-3502	GUN BACK	1				
33	ATE-40501	RETAINING SCREW	2				
34	ATE-40108	SET SCREW	1				
35	ATE-40113	BUTTON AZZEMBLY	1				
36	ATE-40111	TRIGGER LOCK	1				
37	ATE-40101	TRIGGER HOUSING	1				
38	ATE-40103	TRIGGER VALVE	1				
39*	D-E-006	D-RING	3				
40	ATE-40105	SPRING	1				
41*	0-8-008	D-RING	1				
42* 43*	0-8-006 0-8-007	□-RING □-RING	2				
44*	ATE-40304-1	O-RING	1 1				
444	ATE-40304-1	L KING	1				







# ATG-6500-FIT FIT GEL GUN 10-01-12 PARTS KEY

ITEM	PART #	DESCRIPTION	QTY	ITEN	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	46	ATC-40506	SPRING	1
2	UGT-35402	CATALYST TIP	1	47	ATC-40505	MARADZ DNITZULDA RIA	1
3	UGT-XXXX	SPRAY TIP	1	48	ATC-40709	GUARD	1
		(XXXX = SIZE)		49	ATC-4003-SIG	HANDLE ASSEMBLY	1
4*	D-E-012	O-RING	2	50	F-FHCS-1032-08	GUARO SCREW	2
6A	ATC-40323-A	DIFFUSER SEAT	1	51	ATC-40106	PLUG	1
6B	ATC-40323-B	PACKING RETAINER	1	52	PF-HN-02-04S	AIR FITTING	1
7	ATE-40319	LOCKNUT	1	53	ATC-40611	RESTRICTOR (.040")	1
8*	ATE-40304	PACKING (SET OF 2)	1 4		D-E-013	D-RING D-RING	1
9* 10	D-S-012A ATC-40318	O-RING PACKING PRESS	1	5/* 59	D-T-008 F-SS-1032-02-SS		2
11	ATE-40318 ATE-40317	PACKING HOUSING	1	59 60	ATC-40616	SET SCREW	1
12*	0-2-006	D-KING HODSING	2	61	TRU-1021	ELBOM	1
13	ATE-40201	CAT. CYLINDER PLUG	1	62	TRU-1022	BARB	1
14*	D-Z-008	D-RING	5	63	7304-3-1	SEAL	1
15	ATG-3501	HEAD (SEE NOTE B)	1	03	7304 3 1	SENE	1
16*	D-Z-020	D-RING	2				
17	ATE-40701	SCREW	2	SEAL K	IT SOLD SEPARATE	ı.v•	
18*	D-Z-013	D-RING	2	DLAL A	II DOLL BLIANAIL	<b></b>	
19	ATE-40214	CATALYST FITTING	1	* AT-	-EXT-SK SEAL K	TT	
20	ATE-40206	CATALYST CYLINDER	1				
21	ATE-40704	VALVE FRONT	1	HOSES	AVAILABLE SEPARA	rely.	
22	ATE-40208	LOCK WASHER	1	порто			
24	ATE-40209	CATALYST PISTON	1	FLUIC	1 HDSE - HAW-0664	-XX WITH HAW-0444-5	
25	ATE-40213	AIR FITTING	1		(WHIP EN		
26	ATG-35311	MATERIAL TUBE	1	REFIN	NEMENT/TRIGGER AI	R HOSE - HA-0344-XX	
27*	D-E-008	O-RING	1	CATAL	.YST HOSE - HC-02	24-XX	
28	ATE-40305	PACKING RETAINER	1	EATAL	IA DNIZIMOTA TZY.	R HOSE - HA-0224-XX	
29	ATE-40325	SPRING	1				
30	ATE-40705	VALVE BACK	1	XX =	HOSE LENGTH DESI	RED (25 FT. IS STAND	ARD)
31 32	ATE-40321	NEEDLE ASSY.	1 1				
33	ATG-3502 ATC-40501	GUN BACK RETAINING SCREW	2				
34	ATE-40108	SET SCREW	1				
35	ATE-40108 ATE-40113	BUTTON ASSEMBLY	1				
36	ATE-40111	TRIGGER LOCK	1				
37	ATE-40101	TRIGGER HOUSING	1				
38	ATE-40103	TRIGGER VALVE	1				
39*	D-E-006	O-RING	3				
40	ATE-40105	SPRING	1				
41*	□-B-008	O-RING	1				
42*	D-B-006	O-RING	2				
43*	□-B-007	O-RING	1				
44*	ATE-40304-1	O-RING	1				
45	ATE-40509	INSERT	1				



# ATG-6500-FIT FIT GEL GUN 10-01-12 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018 ALUMINUM RETAINING RING

FGT-35402-3 FGT STYLE CATALYST TIP

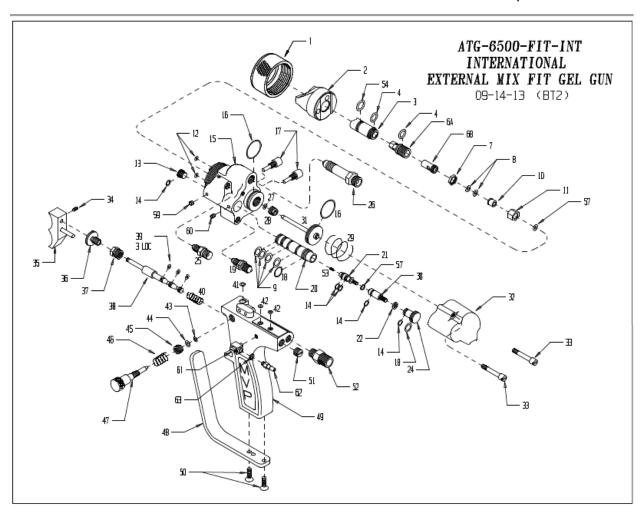
FGT-XXXX-HT FGT STYLE SPRAY TIP

#### NOTE A:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE B:







# ATG-6500-FIT-INT FIT GEL GUN 09-14-13 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	46	ATC-40506	SPRING	1
2	UGT-35402-INT	CATALYST TIP	1	47	ATC-40505	AIR ADJUSTING SCREW	1
3	UGT-XXXX	SPRAY TIP	1	48	ATC-40709	GLIARD	1
		(XXXX = SIZE)		49	ATC-4003-SIG	HANDLE ASSEMBLY	1
4*	D-E-012	O-RING	2		F-FHCS-1032-08		2
6A	ATC-40323-A	DIFFUSER SEAT	1		ATC-40106	PLUG	1
6B	ATC-40323-B	PACKING RETAINER	1		PF-HN-02-04S	AIR FITTING	1
7	ATC-40319	LOCKNUT	1		ATC-40611	RESTRICTOR (,040")	1
8*	ATC-40304	PACKING (SET OF 2)	1		D-E-013	O-RING	1
9*	D-S-012A	D-RING	4		D-T-008	O-RING	2
10	ATC-40318	PACKING PRESS	1		F-SS-1032-02-SS		1
11	ATC-40317	PACKING HOUSING O-RING	1 2		ATC-40616	SET SCREW	1
12* 13	0-S-006 ATC-40201	CAT. CYLINDER PLUG		61 62	TRU-1021 TRU-1022	ELBOW BARB	1
	0-Z-0201	D-RING	5		7304-3-1	SEAL	1
15	ATG-3501	HEAD (SEE NOTE B)	1	0.5	/304 3 1	SEAL	1
l	D-S-020	D-RING	2				
17	ATC-40701	SCREW	2	SEAL.	KIT SOLD SEPARATI	RI.Y =	
18*	D-2-013	D-RING	2	CLILL	411 DOM DAI !!!!!!!		
19	ATC-40216	CATALYST FITTING	1	* AT	-EXT-SK SE	AL KIT	
20	ATC-40206	CATALYST CYLINDER	1				
21	ATC-40704	VALVE FRONT	1				
22	ATC-40208	LOCK WAZHER	1	HOSES	AVAILABLE SEPARA	ATELY:	
24	ATC-40209	CATALYST PISTON	1				
25	ATC-40213	AIR FITTING	1	FLUI		4-XX WITH HAW-0444-5	
26	ATG-35311	MATERIAL TUBE	1	DEET	(WHIP E		
27*	□-E-008	O-RING	1		NEMENTZIRIGGER A LYST HOSE - HCHP	IR HOSE - HA-0344-XX	
28	ATC-40305	PACKING RETAINER	1			-023333-XXLC IR HOSE - HA-0224-XX	
29	ATC-40325	SPRING	1	LAIA	CISI AIDHIZING A	IK NOSE - NA-0224-VV	
30	ATC-40705	VAVLE BACK	1	XX -	HUZE LENUTH DEZ	IRED (25 FT. IS STAN	ו חשער
31	ATC-40321	NEEDLE ASSY.	1	/// -	· HOSE CENTILI DES	11/10 123 11. 13 31/14	
32	ATG-3502	GUN BACK	1				
33	ATC-40501	RETAINING SCREW	2				
34	ATC-40108	SET SCREW	1				
35 36	ATC-40113	BUTTON ASSEMBLY TRIGGER LOCK	1				
37	ATC-40111 ATC-40101	TRIGGER LULK	1				
38	ATC-40101	TRIGGER VALVE	1				
39*	D-E-006	D-RING	3				
40	ATC-40105	SPRING	1				
41*	D-B-008	D-RING	1				
42*	□-B-006	O-RING	2				
43*	□-B-007	O-RING	1				
44*	ATC-40304-1	O-RING	1				
45	ATC-40509	INSERT	1				



# ATG-6500-FIT-INT FIT GEL GUN 09-14-13 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TOOL

ATC-40204-1 CAT. VALVE D-RING TODL

MG-1018 ALUMINUM RETAINING RING

FGT-35402-INT FGT STYLE CATALYST TIP

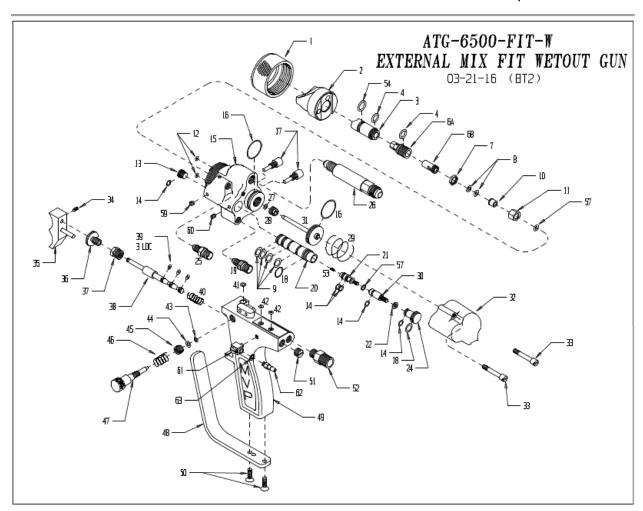
FGT-XXXX-HT FGT STYLE SPRAY TIP

#### NOTE A:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

# NOTE B:







# ATG-6500-FIT-W FIT WETOUT GUN 03-21-16 PARTS KEY

FAMIS KEI								
ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY	
1	MG-1018-CL-PL	RETAINING RING	1	47	ATC-40505	WBRDZ DNITZULOA RIA	1	
2	UGT-35402	CATALYST TIP	1	48	ATC-40709	GLIARD	1	
3	UMT-6025	SPRAY TIP	1	49	ATC-4003-SIG	HANDLE ASSEMBLY	1	
		(DR XXXX = SIZE)		50	F-FHCS-1032-08	GLIARD SCREW	2	
4*	D-E-012	O-RING	2	51	ATC-40106	PLUG	1	
БA	ATE-40323-A	DIFFUSER SEAT	1	52	PF-HN-02-04S	AIR FITTING	1	
6B	ATE-40323-B	PACKING RETAINER	1	53	ATC-40611	RESTRICTOR (.040")	1	
7	ATE-40319	LOCKNUT	1	54*	D-E-013	O-RING	1	
8*	ATE-40304	PACKING (SET OF 2)	1	57∗	□-T-008	O-RING	2	
9*	D-S-012A	O-RING	4	59	F-SS-1032-02-SS		1	
10	ATC-40318	PACKING PRESS	1	60	ATC-40616	SET SCREW	1	
11	ATE-40317	PACKING HOUSING	1	61	TRU-1021	ELBOW	1	
12*	D-Z-006	O-RING	2	62	TRU-1022	BARB	1	
13	ATE-40201	CAT. CYLINDER PLUG		63	7304-3-1	SEAL	1	
14*	D-Z-008	D-RING	5					
15	ATG-3501	HEAD (SEE NOTE B)	1					
16*	0-2-020	O-RING	2	SEAL K	IT SOLD SEPARATE	LY		
17	ATE-40701	SCREW	2					
18*	D-Z-013	O-RING	2	* AT-	-EXT-SK SEAL K	IT		
19	ATE-40214	CATALYST FITTING	1					
20	ATE-40206	CATALYST CYLINDER	1	HOSES	AVAILABLE SEPARA	TELY:		
21 22	ATE-40704 ATE-40208	VALVE FRONT LOCK WASHER	1					
24	ATE-40208	CATALYST PISTON	1	6:1	RATIO PUMP			
25	ATE-40213	AIR FITTING	1		FLUID HOSE - HF	L-0888-XX WITH		
26	ATE-40213 ATE-40311-F	MATERIAL TUBE	1		HFL-046J6J-5 (W	HIP END)		
27*	D-E-008	D-RING	1					
28	ATE-40305	PACKING RETAINER	1	11:1	RATIO PUMP			
29	ATE-40325	SPRING	1		FLUID HOSE - HA			
30	ATE-40705	VALVE BACK	1		HAW-046J6J-5 (W	HIP END)		
31	ATE-40321	NEEDLE ASSY.	1	DEET	ICHCHT ADTECED AT	D 11000 114 0044 VV		
32	ATG-3502	GUN BACK	1			R HOSE - HA-0344-XX		
33	ATE-40501	RETAINING SCREW	2		.YST HOSE - HC-02			
34	ATE-40108	SET SCREW	1	LATAL	.121 AIDMIZING AI	R HOSE - HA-0224-XX		
35	ATE-40113	BUTTON ASSEMBLY	1	vv _	HUGE LENETH DEST	RED (25 FT, IS STAND	voo v	
36	ATE-40111	TRIGGER LOCK	1	^^ =	UNTO LEMBIU DEST	KED /57 LI' 12 219MD	AKD/	
37	ATE-40101	TRIGGER HOUSING	1					
38	ATE-40103	TRIGGER VALVE	1					
39*	□-E-006	□-RING	3					
40	ATE-40105	SPRING	1					
41*	□-B-008	D-RING	1					
42*	D-B-006	D-RING	2					
43*	□-B-007	D-RING	1					
44*	ATE-40304-1	D-RING	1					
45	ATE-40509	INSERT	1					
46	ATE-40506	SPRING	1					



# ATG-6500-FIT-W FIT WETOUT GUN 03-21-16 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-A

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT, VALVE D-RING TOOL

MG-1018 ALUMINUM RETAINING RING

FGT-40402 FGT STYLE CATALYST TIP

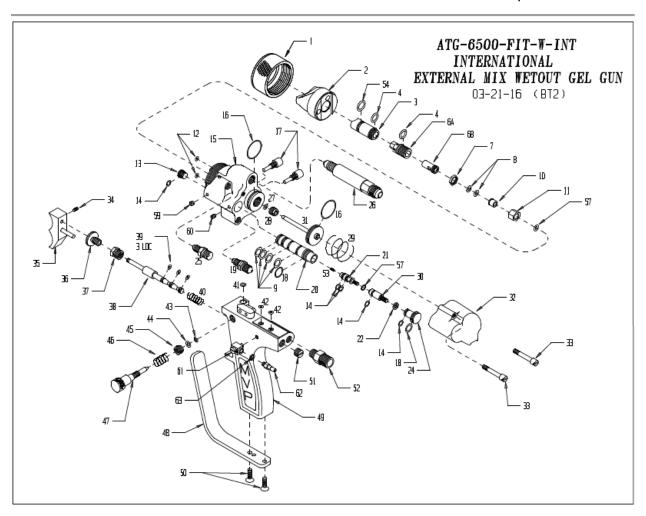
FMT-XXXX FMT STYLE SPRAY TIP

#### NOTE A:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE B:







# ATG-6500-FIT-W-INT FIT GEL GUN 03-21-16 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	46	ATC-40506	SPRING	1
2	UGT-35402-INT	CATALYST TIP	1	47	ATE-40505	AIR ADJUSTING SCREW	1
3	⊔MT-6025	SPRAY TIP	1	48	ATC-40709	GLIARD	1
		(XXXX = SIZE)		49	ATC-4003-SIG	HANDLE ASSEMBLY	1
4*	D-E-012	O-RING	2	50	F-FHCS-1032-0B	GUARD SCREW	2
6A	ATC-40323-A	DIFFUSER SEAT	1	51	ATC-40106	PLUG	1
6B	ATC-40323-B	PACKING RETAINER	1	52	PF-HN-02-04S	AIR FITTING	1
7	ATC-40319	LOCKNUT	1	53	ATC-40611	RESTRICTOR (.040")	1
8*	ATC-40304	PACKING (SET OF 2)	1		D-E-013	O-RING	1
9*	0-S-012A	D-RING	4		D-T-008	O-RING	2
10	ATC-40318	PACKING PRESS	1	59	F-SS-1032-02-SS		1
11	ATC-40317	PACKING HOUSING	1	60 51	ATC-40616	SET SCREW	1
12*	0-2-006	D-RING	2	51	TRU-1021	ELBOW	1
13	ATC-40201	CAT. CYLINDER PLUG	1 5	62	TRU-1022	BARB	1
14* 15	D-S-008 ATG-3501	O-RING HEAD (SEE NOTE B)	1	63	7304-3-1	ZEAL	1
16*	D-S-020	D-KING	2				
17	ATC-40701	SCREW	2	OTAT 1	KIT SOLD SEPARATE	21 V.	
18*	D-S-013	D-RING	2	SEAL !	AII SULD SEPARAII	271:	
19	ATC-40216	CATALYST FITTING	1	* AT	-EXT-SK SE	AL KIT	
20	ATC-40206	CATALYST CYLINDER	1	* 41	LVI 2V 2F)	HL NII	
21	ATC-40704	VALVE FRONT	1				
22	ATC-40208	LOCK WASHER	1	HOSES	AVAILABLE SEPARA	ATELY:	
24	ATC-40209	CATALYST PISTON	1				
25	ATC-40213	AIR FITTING	1	6:1	RATIO PUMP		
26	ATG-40311-F	MATERIAL TUBE	1			FL-0888-XX WITH	
27*	□-E-008	O-RING	1		HFL-046J6J-5 ()	WHIP END)	
28	ATC-40305	PACKING RETAINER	1				
29	ATC-40325	SPRING	1	11:1	RATIO PUMP		
30	ATC-40705	VAVLE BACK	1			AW-0888-XX WITH	
31	ATC-40321	NEEDLE ASSY.	1		HAW-046J6J-5 ()	WHIP END)	
32	ATG-3502	GUN BACK	1	DEET	NEMENT COLECTO A	TD 11000 114 0044 VV	
33	ATC-40501	RETAINING SCREW	2			IR HOSE - HA-0344-XX	
34	ATC-40108	SET SCREW	1		LYST HOSE - HCHP		
35	ATC-40113	BUTTON ASSEMBLY	1	LATA	LYSI AIUMIZING A.	IR HOSE - HA-0224-XX	
36	ATC-40111	TRIGGER LOCK	1	vv	יוחפר ו באבדון סבפי	IRED (25 FT. IS STAN	3.00 V
37	ATC-40101	TRIGGER HOUSING	1	XX =	HUZE LENGTH DEZ.	TKED (S2 ET' 12 2TAM	ול מאאר
38	ATC-40103	TRIGGER VALVE	1				
39*	□-E-006	O-RING	3				
40	ATC-40105	SPRING	1				
41*	D-B-008	D-RING	1				
42*	□-B-006	O-RING	2				
43*	0-B-007	O-RING	1				
44*	ATC-40304-1	O-RING	1				
45	ATC-40509	INSERT	1				



# ATG-6500-FIT-W-INT FIT GEL GUN 03-21-16 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TODL

MG-1018 ALUMINUM RETAINING RING

FGT-35402-INT FGT STYLE CATALYST TIP

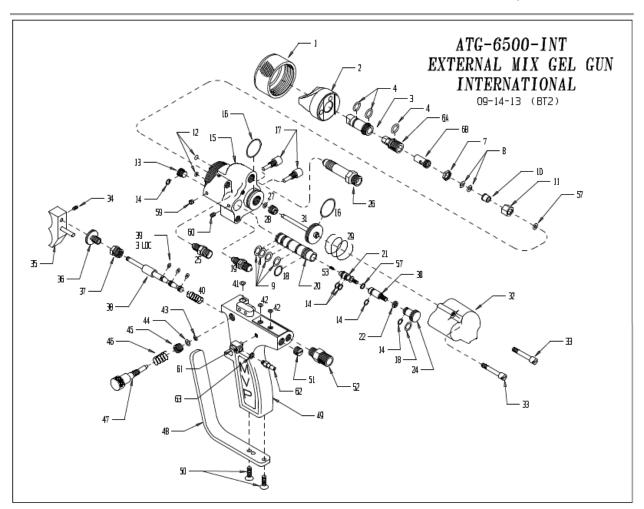
FMT-XXXX FMT STYLE SPRAY TIP

#### NOTE A:

TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

# NOTE B:







	ATG-6500-INT GEL GUN 09-14-13 PARTS KEY, PAGE 1										
ITEM	PART #		_		PART #	DESCRIPTION	QTY				
1 2 3 4* 6A 6B 7 8* 9*	UCT-35402-INT UCT-XXX D-E-012 ATC-40323-A ATC-40323-B ATC-40319 ATC-40304 D-S-012A	RETAINING RING CATALYST TIP SPRAY TIP (XXX = SIZE) O-RING DIFFUSER SEAT PACKING RETAINER LOCKNUT PACKING (SET OF 2) O-RING PACKING PRESS	1 1 1 1 1	49 50 51 52 53 57* 59 60 61	F-FHMS-1032-08 ATC-40106 PF-HN-02-04S	PLUG AIR FITTING RESTRICTOR (.040") D-RING SET SCREW SET SCREW ELBOW	1 1 2 1 1 1 2 1 1 1				
11 12* 13 14*	ATC-40317 D-S-006 ATC-40201 D-S-008	PACKING FRESS PACKING HOUSING O-RING CAT, CYLINDER PLUG O-RING HEAD (SEE NOTE C) O-RING	1 2 1 5	63 SEAL	7304-3-1 KIT SOLD SEPARATI	SEAL	1				
17 18* 19 20*	ATC-40701 D-S-013 ATC-40216 ATC-40206	SCREW  O-RING  J.I.C. CAT. FITTING  CATALYST CYLINDER	2 2 1 1	HOSES	AVAILABLE SEPARA						
21 22 24 25 26	ATC-40704 ATC-40208 ATC-40209 ATC-40213 ATG-35311	VALVE FRONT LOCK WASHER CATALYST PISTON AIR FITTING MATERIAL TUBE	1 1 1 1		RATIO PUMP: FLUID HOSE - HAV HAW-0344-5 (WHIF RATIO PUMP:						
27* 28 29 30	ATC-40305 ATC-40325 ATC-40705	D-RING PACKING RETAINER SPRING VAVLE BACK	1 1 1		FLUID HOSE - HAI HAW-0344-5 (WHII						
31 32 33	ATC-40321 ATG-3502 ATC-40501 ATC-40108 ATC-40113 ATC-40111	NEEDLE ASSY. GUN BACK RETAINING SCREW	1		REFINEMENT/TRIGG HA-0344-XX CATALYST HOSE - CATALYST ATOMIZ: HA-0224-XX	HCHP-023J3J-XXLC ING AIR HOSE -					
37 38 39* 40 41* 42* 43* 44*	ATC-40101 ATC-40103 D-E-006 ATC-40105 D-B-008 D-B-006 D-B-007 ATC-40304-1 ATC-40509	TRIGGER HOUSING TRIGGER VALVE  O-RING SPRING O-RING O-RING O-RING O-RING INSERT	1 1 3 1 1 2 1	XX =	: HOSE LENGTH DES:	IRED (25 FT, IS STAN	DARD)				
46 47	ATC-40506 ATC-40505	SPRING AIR ADJUSTING SCREW	1								



# ATG-6500-INT GEL GUN 09-14-13 PARTS KEY, PAGE 2

#### OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATG-35402-BIG- DOUBLE-SIDED CLEANABLE
INT CATALYST TIP (SEE NOTE A.)

ATG-35402-CL- SINGLE-SIDED CLEANABLE
INT CATALYST TIP (SEE NOTE A.)

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRGGER VALVE D-RING TOOL

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018-CL ALUMINUM RETAINING RING

ATG-XXX SPRAY TIP (XXX = SIZE)

ATG-35402-INT CATALYST TIP FOR ATG-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING FOR ATG-35402-INT

NOTE A: MG-1018-CL-PL RETAINING RING IS
NEEDED WHEN USING EITHER

ATG-35402-BIG-INT OR ATG-35402-CL-INT CATALYST TIPS. (A MG-1018-CL ALUMINUM RETAINING RING MAY BE PURCHASED INSTEAD OF THE MG-1018-CL-PL

DELRIN PLASTIC RING)

NOTE B: TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE

LUBRICATED WITH "SUPER D LUBE".

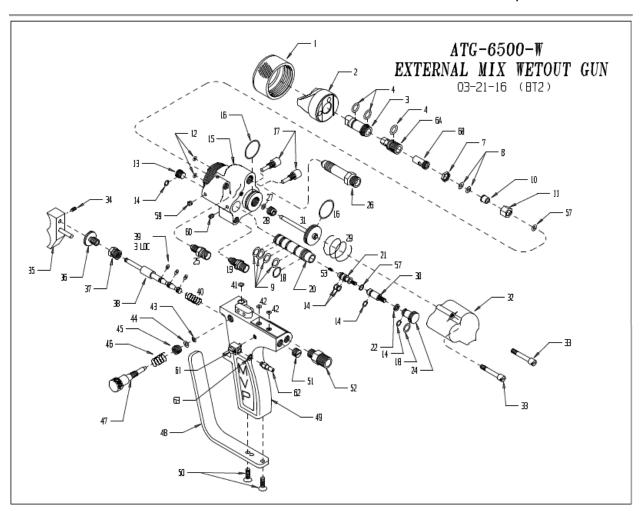
NOTE C: ATG-3501 HEAD ASSEMBLY INCLUDES ITEM

ATC-40206, ITEM 9. D-S-012A, ITEM

F-SS-1032-02-SS, AND ITEM

6D. ATC-40616







# ATG-6500-W WETOUT GUN 03-21-16 PARTS KEY, PAGE 1

ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	45	ATE-40509	INSERT	1
2	UCT-35402	CATALYST TIP	1	46	ATE-40506	SPRING	1
3	UCT-552	SPRAY TIP	1	47	ATE-40505	AIR ADJUSTING SCREW	1
		(XXX = SIZE)		48	ATE-40709	GUARD	1
4*	D-E-012	O-RING	3	49	ATC-4003-SIG	HANDLE ASSEMBLY	1
64	ATC-40323-A	DIFFUSER SEAT	1	50	F-FHCS-1032-08	GLIARD SCREW	2
6B	ATC-40323-B	PACKING RETAINER	1	51	ATE-40106	PLUG	1
7	ATC-40319	LOCKNUT	1	52	PF-HN-02-04S	AIR FITTING	1
8*	ATC-40304	PACKING (SET OF 2)	1	53	ATC-40611	RESTRICTOR (.040")	1
9*	D-S-012A	O-RING	4		D-T-008	O-RING	2
10	ATC-40318	PACKING PRESS	1	59	F-SS-1032-02-SS		1
11	ATC-40317	PACKING HOUSING	1		ATE-40616	SET SCREW	1
12*	0-2-006	D-RING	2	61	TRU-1021	ELBOW	1
13	ATC-40201		1	62	TRU-1022	BARB	1
14*	D-Z-008	O-RING HEAD (SEE NOTE C)	5	63	7304-3-1	SEAL	1
15 16*	ATG-3501 D-S-020	D-RING	1 2				
17	ATC-40701	SCREW	2	STAL D	KIT SOLD SEPARATE	ı v.	
18*	D-S-013	D-RING	2	DEAL E	III BOLD BEIRKAIL	ш.	
19	ATC-40214	CATALYST FITTING	1	* ∆T-	-EXT-SK SEAL K	TT	
20	ATC-40206	CATALYST CYLINDER	1				
21	ATC-40704	VALVE FRONT	1	HOCKS	AVAILABLE SEPARA	TRI V-	
22	ATC-40208	LOCK WASHER	1	HOSES	AVAILABLE SEFAKA	IELI-	
24	ATC-40209	CATALYST PISTON	1	<b>6</b> ⋅ 1	RATIO PUMP:		
25	ATC-40213	AIR FITTING	1	0.1	FLUID HOSE - HFL	-0666-XX WITH	
26	ATG-35311	MATERIAL TUBE	1			ATTACH HOSE TO GUN	
27*	□-E-008	O-RING	1				
28	ATC-40305	PACKING RETAINER	1	11:1	RATIO PUMP:		
29	ATC-40325	SPRING	1		FLUID HOSE - HAW	/-0664-XX WITH	
30	ATC-40705	VALVE BACK	1		HAW-0444-5 (WHIF	'END)	
31	ATC-40321	NEEDLE ASSY.	1				
32	ATG-3502	GUN BACK	1	ALL F	RATIO PUMPS:		
33	ATC-40501	RETAINING SCREW SET SCREW	2		REFINEMENT/TRIGG	ER AIR HOSE -	
34 35	ATC-40108 ATC-40113	BUTTON YZZEWBLY	1 1		HA-0344-XX		
36	ATC-40113	TRIGGER LOCK	1		CATALYST HOSE -		
37	ATC-40101	TRIGGER HOUSING	1		CATALYST ATOMIZI	NG AIK HUZE -	
38	ATC-40103	TRIGGER VALVE	1		HA-0224-XX		
39*	D-E-006	D-RING	3	YY -	אחכב ו באוכדט חבכז	RED (25 FT. IS STAND	ו חסמו
40	ATC-40105	SPRING	1	^^ =	HOSE CEMOIL DEST	.NLU \ 23   F1 , 13 3   ANNU	AKD /
41*	D-B-008	O-RING	1				
42*	D-B-006	D-RING	2				
43*	D-B-007	O-RING	1				
44*	ATC-40304-1	O-RING	1				



# ATG-6500-W WETOUT GUN 03-21-16 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES ITEMS 4 - 11 AND ATC-40323-BT

ATG-35402-BIG DOUBLE SIDED CLEANABLE

CAT TIP. (SEE NOTE A.)

ATG-35402-CL SINGLE-SIDED CLEANABLE

CATALYST TIP. (SEE NOTE A.)

ATC-40323-A-TL 5/16 NUT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRIGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TOOL

MG-1018-CL ALLMINUM RETAINING RING

ATC-XXX SPRAY TIP (XXX = SIZE)

ATG-35402 CATALYST TIP FOR ATC-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING FDR ATG-35402

#### NOTE A:

MG-1018-CL-PL RETAINING RING IS NEEDED WHEN USING EITHER ATG-35402-BIG DR ATG-35402-CL CAT TIPS. (A MG-1018-CL ALLMINUM RETAINING RING MAY BE PLRCHASED INSTEAD DF THE MG-1018-CL-PL DELRIN PLASTIC RING)

#### NOTE B:

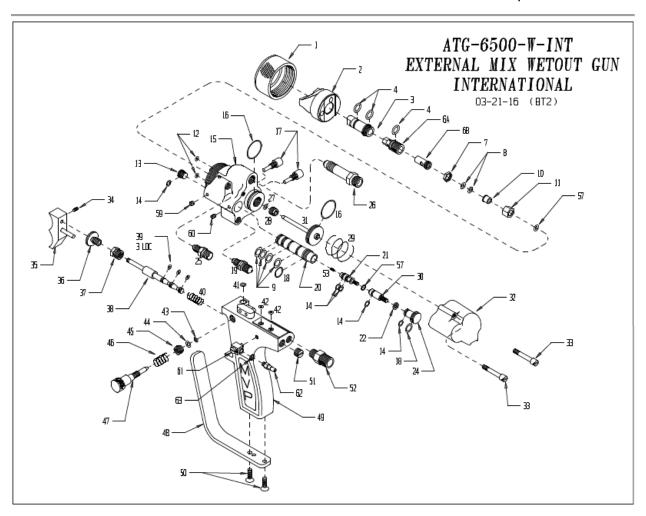
TRIGGER VALVE O-RINGS ARE MADE OF EPR RUBBER AND CAN ONLY BE LUBRICATED WITH "SUPER O LUBE".

#### NOTE C:

ATG-3501 HEAD ASSEMBLY INCLUDES ITEM 20. ATC-40206, ITEM 9. D-S-012A, ITEM 59. F-SS-1032-02-SS, AND ITEM

60. ATC-40616







# ATG-6500-W-INT WETOUT GUN 03-21-16 PARTS KEY, PAGE 1

		PARIS K	.L1,	PAGI	5 I		
ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	MG-1018-CL-PL	RETAINING RING	1	48	ATC-40709	GUARD	1
2	UCT-35402-INT	CATALYST TIP	1	49	ATC-4003-SIG	HANDLE ASSEMBLY	1
3	UCT-552	SPRAY TIP	1	50		GLIARD SCREW	2
_	BE1 55E	(XXX = SIZE)	•	51	ATC-40106	PLUG	1
4*	D-E-012	D-RING	3	52	PF-HN-02-04S	AIR FITTING	1
6A	ATC-40323-A	DIFFUSER SEAT	1	53	ATC-40611	RESTRICTOR (.040")	1
6B	ATC-40323-B	PACKING RETAINER	1		D-T-008	D-RING	2
7	ATC-40319	LOCKNUT	1	59	F-SS-1032-02-SS		1
/ 8*	ATC-40315	PACKING (SET DF 2)	1	60	ATC-40616	SET SCREW	1
9*	D-S-012A	D-RING	4	61	TRU-1021	ELBOW	1
10	ATC-40318	PACKING PRESS	1	62	TRU-1022	BARB	1
11	ATC-40317	PACKING HOUSING	1	63	7304-3-1	SEAL	1
12*	D-S-006	D-RING HUUSING	2	03	/304-3-1	2CAL	1
13	ATC-40201	CAT, CYLINDER PLUG					
			5				
14*	0-2-008	O-RING		SEAL 1	KIT SOLD SEPARATI	BLY:	
15	ATG-3501	HEAD (ZEE NOTE C)	1				
16*	D-S-020	O-RING	2 2	* AT	-EXT-ZK	SEAL KIT	
17	ATC-40701	SCREW	2				
18*	0-2-013	O-RING		HOCEG	AVAILABLE SEPARA	1 TRI V -	
19	ATC-40216	J.I.C. CAT. FITTING		повыв	AVAILABLE SEPAIM	71 PLI -	
20*	ATC-40206	CATALYST CYLINDER	1	E. 1	RATIO PUMP:		
21	ATC-40704	VALVE FRONT	1	0:1	FLUID HOSE - HFL	ACCC VV WITH	
22	ATC-40208	LOCK WASHER	1				
24	ATC-40209	CATALYST PISTON	1		FF-3W-0DM-04F II	D ATTACH HOSE TO GUN	
25	ATC-40213	AIR FITTING	1		DATTE DUND.		
26	ATG-35311	MATERIAL TUBE	1	11:1	RATIO PUMP:	U OCCA VV NITTH	
27*	D-E-008	D-RING	1		FLUID HOSE - HAV		
28	ATC-40305	PACKING RETAINER	1		HAW-0444-5 (WHI	P END)	
29	ATC-40325	SPRING	1		DATE DUMOS		
30	ATC-40705	VAVLE BACK	1	ALL	RATIO PUMPS:	SED ATD LIDOS	
31	ATC-40321	NEEDLE ASSY.	1		REFINEMENT/TRIGO	DEK VIK HNZE -	
32	ATG-3502	GUN BACK	1		HA-0344-XX	HELID ADD ID I WALE	
33	ATC-40501	RETAINING SCREW	2			HCHP-023J3J-XXLC	
34	ATC-40108	SET SCREW	1		CATALYST ATOMIZ	ING VIK HNZE -	
35	ATC-40113	BUTTON ASSEMBLY	1		HA-0224-XX		
36	ATC-40111	TRIGGER LOCK	1				
37	ATC-40101	TRIGGER HOUSING	1	XX =	HOSE LENGTH DES	IRED (25 FT. IS STANI	ן ל מאשר
38	ATC-40103	TRIGGER VALVE	1				
39*	□-E-006	O-RING	3				
40	ATC-40105	SPRING	1				
41*	□-B-008	O-RING	1				
42*	□-B-006	O-RING	2				
43*	□-B-007	O-RING	1				
44*	ATC-40304-1	O-RING	1				
45	ATC-40509	INSERT	1				
46	ATC-40506	SPRING	1				
47	ATC-40505	AIR ADJUSTING SCREW	1				



# ATG-6500-W-INT WETOUT GUN 03-21-16 PARTS KEY, PAGE 2

# OPTIONAL EQUIPMENT:

ATC-40611-1 .020" CATALYST RESTRICTOR

ATC-40314 CARTRIDGE ASSEMBLY WHICH INCLUDES

ITEMS 4 - 11 AND ATC-40323-BT

ATG-35402-BIG- DOUBLE-SIDED CLEANABLE INT CATALYST TIP (SEE NOTE A.)

ATG-35402-CL- SINGLE-SIDED CLEANABLE
INT CATALYST TIP (SEE NOTE A.)

ATC-40323-A-TL 5/16 NLT DRIVER

ATC-40323-BT TOOL FOR ATC-40323-B

ATC-40103-1 TRGGER VALVE D-RING TODL

ATC-40204-1 CAT. VALVE D-RING TODL

MG-1018-CL ALUMINUM RETAINING RING

(3ZZ = XXX) QIT YASQZ (3ZZ = ZZZ = XXX - ZZZ = ZZZ

ATG-35402-INT CATALYST TIP FOR ATC-XXX

MG-1018 (DR MG-1018-PL) RETAINING RING FOR ATG-35402-INT

NOTE A: MG-1018-CL-PL RETAINING RING IS

NEEDED WHEN USING EITHER ATG-35402-BIG-INT DR ATG-35402-CL-INT CATALYST TIPS. (A MG-1018-CL ALUMINUM RETAINING RING MAY BE

PURCHASED INSTEAD OF THE MG-1018-CL-PL

DELRIN PLASTIC RING)

NOTE B: TRIGGER VALVE D-RINGS ARE MADE
OF EPR RUBBER AND CAN ONLY BE
LUBRICATED WITH "SUPER D LUBE".

NOTE C: ATG-3501 HEAD ASSEMBLY INCLUDES ITEM

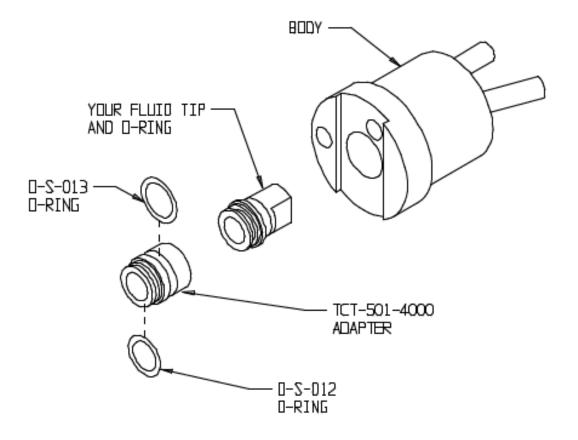
ATC-40206, ITEM 9. □-S-012A, ITEM

F-SS-1032-02-SS, AND ITEM

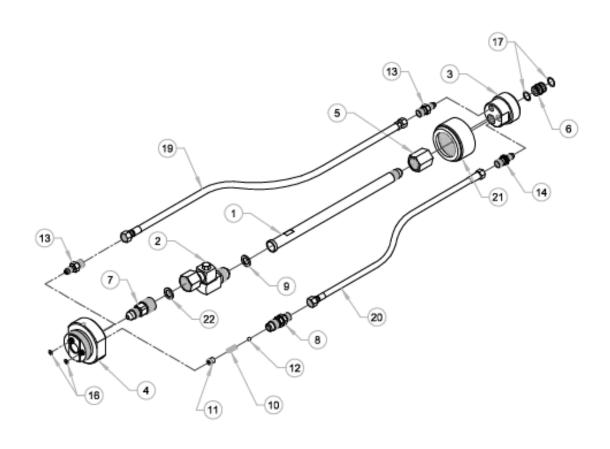
60. ATC-40616



# TEST CAT TIP ATG-35402-TT







# MAGNUM VENUS PLASTECH

-1000-ATG
-1000-ATG

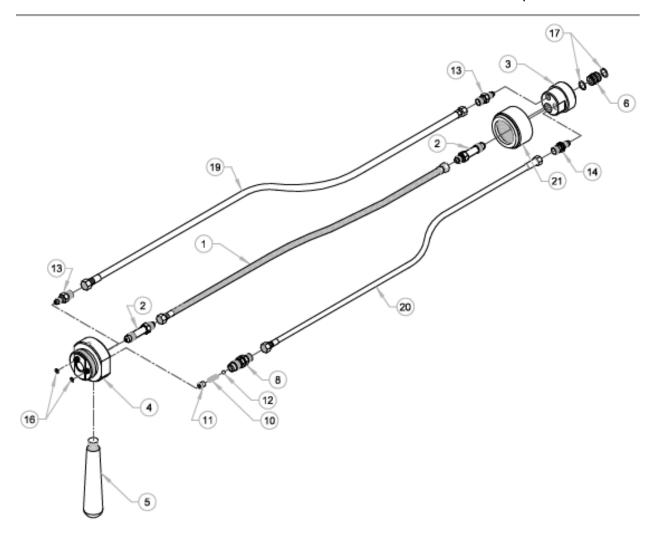
REV - 05/22/12 BT2



# 10" EXTENSION EXT-1000-ATG PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	EXT-1001	1	EXTENSION TUBE
2	EXT-1802	1	SWIVEL JOINT
3	EXT-1803	1	GUN HEAD ADAPTER
4	EXT-1809	1	REMOTE GUN HEAD
5	EXT-1805	1	SWIVEL NUT
6	EXT-1806	1	SEAL BODY
7	EXT-1807	1	CONNECTOR - REMOTE GUN HEAD
8	EXT-1808	1	CHECK VALVE BODY
9	02149-1	1	NOZZLE SEAL
10	4101-16-1	1	COMPRESSION SPRING
11	4101-17-1	1	SPRING RETAINER
12	9201-1-7	1	7/32 SS BALL
13	ATC-40213	2	AIR FITTING
14	ATC-40214	1	CATALYST FITTING
16	0-S-006	2	O-RING
17	0-E-012	2	O-RING
19	HA-0222-1	1	AIR HOSE
20	HC-0222-1	1	CATALYST HOSE
21	MG-1018-CL-PL	1	RETAINING RING
22	EXT-1007	1	TIP GASKET





# MAGNUM VENUS PLASTECH

5ft FLEX EXTENSION ASSEMBLY

EXT-FLEX-ATG-5

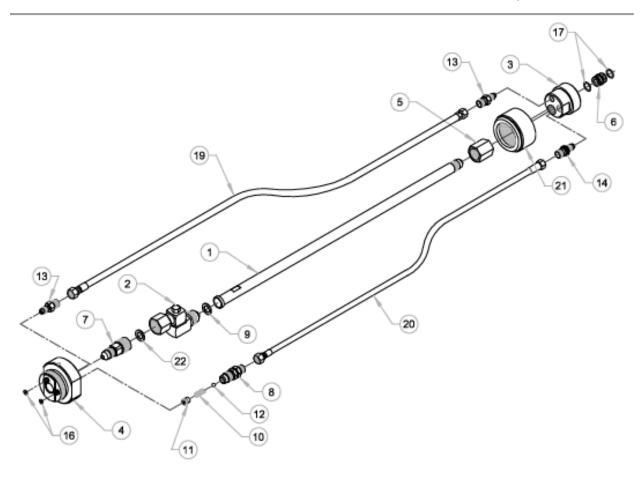
REV - 01/22/08 JEM REV A - DELETED ITEMS 15 AND 18, NOW INCLUDED IN ITEM 4 05/29/08 BT2 REV B - CORRECTED ITEM 20 10/03/11 BT2



# ASSY - 5" FLEX EXTENSION EXT-FLEX-ATG-5 PARTS LIST

. /						
PART NO.	QTY	DESCRIPTION				
HCSS-044J4J-	5 1	SS BRAIDED HOSE				
HF-05J-04J-L	2	SWIVEL HOSE FITTING				
EXT-1803	1	GUN HEAD ADAPTER				
EXT-1809	1	REMOTE GUN HEAD				
EXT-1810	1	HANDLE				
EXT-1806	1	SEAL BODY				
EXT-1808	1	CHECK VALVE BODY				
4101-16-1	1	COMPRESSION SPRING				
4101-17-1	1	SPRING RETAINER				
9201-1-7	1	7/32 SS BALL				
ATC-40213	2	AIR FITTING				
ATC-40214	1	CATALYST FITTING				
0-S-006	2	O-RING				
0-E-012	2	O-RING				
HA-0222-5	1	AIR HOSE ASSY				
HC-0222-5	1	CATALYST HOSE ASSY				
MG-1018-CL-PL	1	RETAINING RING				
	HCSS-044J4J- HF-05J-04J-L EXT-1803 EXT-1809 EXT-1810 EXT-1806 EXT-1808 4101-16-1 4101-17-1 9201-1-7 ATC-40213 ATC-40214 0-S-006 0-E-012 HA-0222-5 HC-0222-5	HCSS-044J4J-5 1 HF-05J-04J-L 2 EXT-1803 1 EXT-1809 1 EXT-1810 1 EXT-1806 1 EXT-1808 1 4101-16-1 1 4101-17-1 1 9201-1-7 1 ATC-40213 2 ATC-40214 1 0-S-006 2 0-E-012 2 HA-0222-5 1				





# MAGNUM VENUS PLASTECH

ASSY - 18" EXTENSION

EXT-1800-ATG

REV A - DELETED ITEMS 15 AND 18, WHICH BECAME PART OF ITEM 4 05/29/08 BT2
REV B - ITEM 4 WAS EXT-1804 07/20/10 BT2
REV C - ITEM 9 WAS QTY, 2, ADDED ITEM 22 EXT-1007 08/03/10 BT2



#### ASSY - 18" EXTENSION EXT-1800-ATG PARTS LIST ITEM PART NO. QTY DESCRIPTION 1 EXT-1801 1 EXTENSION TUBE 2 EXT-1802 1 SWIVEL JOINT 3 EXT-1803 1 GUN HEAD ADAPTER 4 EXT-1809 REMOTE GUN HEAD 5 EXT-1805 1 SWIVEL NUT 6 EXT-1806 1 SEAL BODY 7 EXT-1807 1 CONNECTOR - REMOTE GUN HEAD 8 EXT-1808 1 CHECK VALVE BODY 9 02149-1 NOZZLE SEAL 1 COMPRESSION SPRING 10 4101-16-1 11 4101-17-1 1 SPRING RETAINER 12 9201-1-7 7/32 SS BALL 13 ATC-40213 2 AIR FITTING 14 ATC-40214 1 CATALYST FITTING 16 0-S-006 2 O-RING 17 0-E-012 2 O-RING AIR HOSE ASSY 19 HA-0222-1.67 - 1 20 HC-0222-1.67 1 CATALYST HOSE ASSY 21 MG-1018-CL-PL 1 RETAINING RING

TIP GASKET



22

EXT-1007

- 1



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