POLYURETHANE MACHINERY CORPORATION

Air Purge Spray & Pour Gun AP-2 Service Manual

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PATENT PENDING

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Before installing the AP-2 Gun and start-up, carefully read all the technical and safety documentation included in this manual. Pay special attention to the information in order to know and understand the operation and the conditions of use of the AP-2 Gun. All of the information is aimed at improving user safety and avoiding possible breakdowns from the incorrect use of the AP-2 Gun.

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WARRANTY

Polyurethane Machinery Corporation (hereinafter "PMC") provides this **LIMITED WARRANTY** (hereinafter "Warranty") to the original purchaser (hereinafter "Customer") covering this equipment and the original PMC manufactured accessories delivered with the equipment (hereinafter "Product") against defects in material or workmanship of the Product (hereinafter "Defect" or "Defective") for a period of one (1) year from the date of first purchase as shown on the original PMC invoice (hereinafter "Warranty Period").

If during the Warranty Period under normal use, the Product is suspected by Customer to be Defective in material or workmanship, it is Customer's responsibility to contact PMC and return the Product to PMC as directed by PMC, freight prepaid. If PMC determines that the Product is Defective and that such Defect is covered by this Warranty, PMC will credit Customer for the reasonable freight charges incurred by Customer in returning the Defective Product to PMC, and PMC (or its authorized agent) will, at PMC's option, repair or replace the Product, subject to the following:

Original Invoice: The original invoice must be kept as proof of the date of first sale and the Product serial number. The Warranty does not cover any Product if the Original Invoice appears to have been modified or altered, or when the serial number on the Product appears to have been altered or defaced.

Product Maintenance: It is the Customer's responsibility to maintain the Product properly. See your maintenance schedule and owner's manual for details. The Warranty does not cover an improperly maintained Product.

Non-PMC Components and Accessories: Non-PMC manufactured components and accessories that are used in the operation of the Product are not covered by this Warranty. Such components and accessories shall be subject to the warranty offered to the Customer, if any, by the original manufacturer of such component or accessory.

Other Warranty Exclusions: The Warranty does not cover any Product that PMC determines has been damaged or fails to operate properly due to misuse, negligence, abuse, carelessness, neglect, or accident. By way of example only, this includes:

- Normal wear and tear.
- Improper or unauthorized installation, repair, alteration, adjustment or modification of the Product.
- Use of heating devices, pumping equipment, dispensers, or other parts or accessories with the Product that have not been approved or manufactured by PMC.
- Failure to follow the operating instructions and recommendations provided by PMC. Cosmetic damage.
- Fire, flood, "acts of God," or other contingencies beyond the control of PMC.

WARRANTY (cont'd)

THE WARRANTY DESCRIBED HEREIN IS THE EXCLUSIVE REMEDY FOR THE CUSTOMER AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, AND THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES ARE HEREBY DISCLAIMED. TO THE FULLEST EXTENT PERMITTED BY LAW, PMC SHALL NOT BE RESPONSIBLE, WHETHER BASED IN CONTRACT, TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE), WARRANTY OR ANY OTHER LEGAL OR EQUITABLE GROUNDS, FOR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL, LOST PROFITS, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES, WHETHER TO PERSON OR PROPERTY, ARISING FROM OR RELATING TO THE PRODUCT, EVEN IF PMC HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES OR DAMAGES.

Non-Warranty Service by PMC: If PMC determines that the suspected Defect of the Product is not covered by this Warranty, disposition of the Product will be made pursuant to the terms and conditions of PMC's written estimate on a time and materials basis.

Continuing Warranty for Products Repaired or Replaced under Warranty: Following the repair or replacement of a Product covered by this Warranty, such Product will continue to be subject to the original Warranty for the remainder of original Warranty Period or for three (3) months from the repair or replacement date, whichever is longer.

No Rights Implied: Nothing in the sale, lease or rental of any Product by PMC shall be construed to grant any right, interest or license in or under any patent, trademark, copyright, trade secret or other proprietary right or material owned by anyone; nor does PMC encourage the infringement of same.

Exclusive Warranty: This writing is the final, complete, and exclusive expression of the Warranty covering the Product. Any statements made by PMC, its employees or agents that differ from the terms of this Warranty shall have no effect. It is expressly understood that Customer's acceptance of this Warranty, by performance or otherwise, is upon and subject solely to the terms and conditions hereof, and any additional or different terms and conditions proposed or expressed by Customer or anyone, whether in writing or otherwise, are null and void unless specifically agreed to in writing by an Officer of PMC.

SAFETY AND HANDLING

This chapter contains important information on the safety, handling and use of your **AP-2** series Gun.

Before installing the AP-2 Gun and start-up, carefully read all the technical and safety documentation included in this Manual. Pay special attention to the information to know and understand the operation and the conditions of use of the unit. All of the information is aimed at enhancing User Safety and avoiding possible breakdowns derived from the incorrect use of the AP-2 Gun.

WARNING! presents information to alert of a situation that might cause serious injuries if the instructions are not followed.

CAUTION! presents information that indicates how to avoid damage to the AP-2 Gun or how to avoid a situation that could cause injuries.

NOTE: is relevant information of a procedure being carried out.

Careful study of this Manual will enable the operator to know the characteristics of the Gun and the operating procedures. By following the instructions and recommendations contained, you will reduce the potential risk of accidents in the installation, use or maintenance of the AP-2 Gun; you will provide a better opportunity for incident-free operation for a longer time, greater productivity and the possibility of detecting and resolving problems fast and simply.
Keep this Service Manual for future reference to useful information. If you lose this Manual, ask for a new copy from your PMC Service Center or directly contact Polyurethane Machinery Company.

IMPORTANT SAFETY INFORMATION

The AP-2 Gun has been designed and built for the application of polyurea chemical systems, polyurethane foam chemical systems and some two-component epoxy systems.

WARNING! The design and configuration of the AP-2 Gun does not allow its use in potentially explosive atmospheres or exceeding the pressure and temperature limits described in the Technical Specifications of this Manual to be exceeded.

Always use liquids and solvents that are compatible with the AP-2 Gun. If in doubt, consult **PMC** Technical Service.

When working with the AP-2 Gun, it is recommended that the operator wear suitable clothing and elements of personal protection, including, without limitation, gloves, protective goggles, safety footwear and face masks. Use breathing equipment when working with the Gun in enclosed spaces or in areas with insufficient ventilation. The introduction and follow-up of safety measures must not be limited to those described in this Manual. Before beginning to work with the Gun, a comprehensive analysis must be made of the risks derived from the products to be dispensed, the type of application and the working environment.

To prevent possible injury caused by incorrect handling of the materials and solvents used in the process, carefully read the Material Safety Data Sheet (MSDS) provided by your supplier.

To avoid damage caused by the impact of pressurized fluids, do not open any connection or perform maintenance work on components subject to pressure until the pressure has been completely eliminated.

Use suitable protection when operating, maintaining or being present in the area where the equipment is functioning. This includes, but is not limited to, the use of protective goggles, gloves, shoes and safety clothing and breathing equipment.

The equipment includes components that reach high temperatures and can cause burns. Hot parts of the equipment must not be handled or touched until they have cooled completely.

CHARACTERISTICS

- Internal mixing from high pressure impingement
- Automatic cleaning with air pressure
- No solvents required
- Exterior lubrication of the Mix Chamber

Weight: 2.1 lbs (w/o coupling block)
2.6 lbs (with coupling block)

Dimensions: H 7.5" / W 3" / L 6.5"

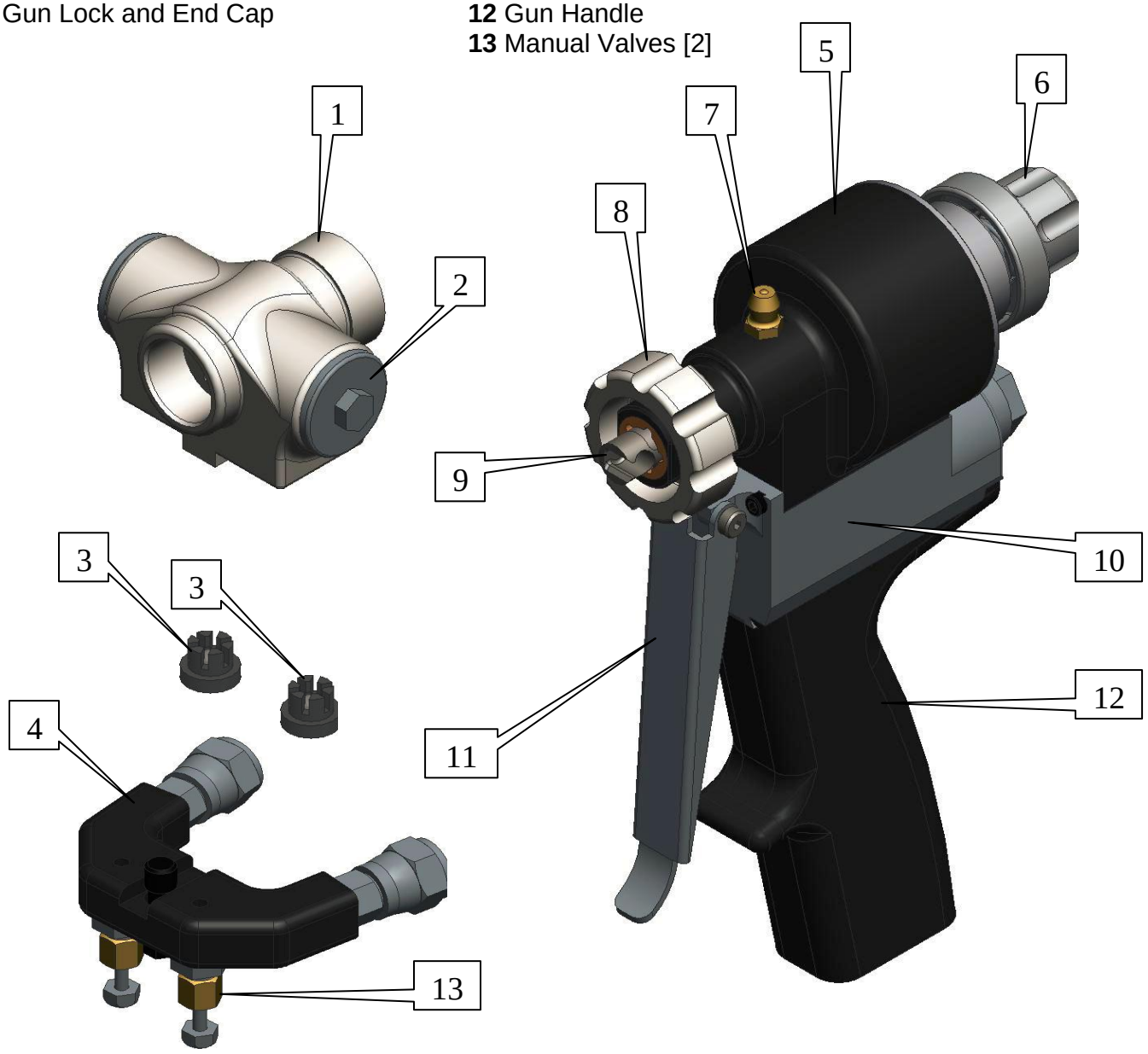
TECHNICAL SPECIFICATIONS

Maximum Working Pressure:	**3,500 psi**
Air Pressure:	**90-125 psi**
Maximum Output (1:1 ratio):	**40 lb/min**
Minimum Output (1:1 ratio):	**3.3 lb/min**
Opening Force @ 110 psi:	**200 lb**
Closing Force @ 110 psi:	**205 lb**

GENERAL DESCRIPTION

For better knowledge of the **AP-2** Gun, the main components and their description are shown. For a more precise identification, see the Parts Identification section.

1 Gun Block
2 Screen Screw
3 Coupling Block Gasket/Check Valve
4 Coupling Block
5 Air Cylinder
6 Gun Lock and End Cap
7 Grease Fitting
8 Locking Collar
9 Piston
10 Air Manifold
11 Trigger
12 Gun Handle
13 Manual Valves [2]

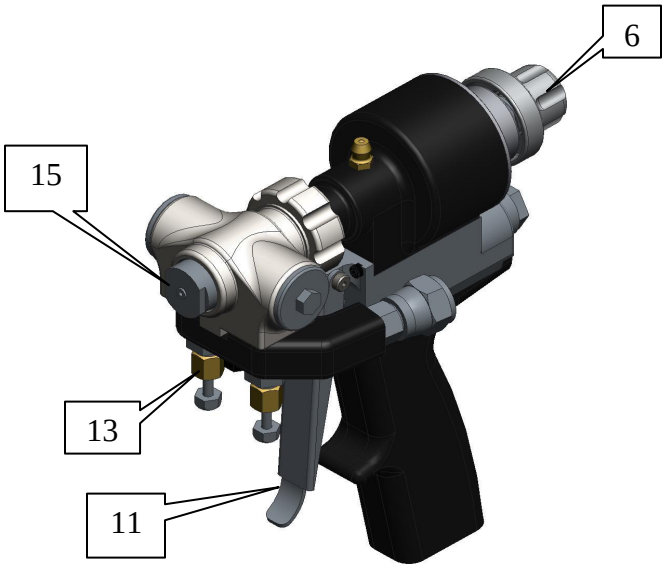


INSTALLATION AND START UP

CAUTION! When working with the AP-2 Gun or performing maintenance work, wear suitable safety protection in accordance with the recommendations and specifications provided by the product suppliers

1. Install Coupling Block [GU-04001] to the hose.
2. Ensure the Coupling Block Manual Valves [13] are **CLOSED** by turning them to the full clockwise position.

   CAUTION! Excessive force closing or opening the Manual Valves may result in damage to the Manual Valves and/or Coupling Block.
3. Set the Gun Lock [6] to the **LOCKED** position
4. Connect the AP-2 Gun to the Coupling Block using the supplied Spin-Tite Wrench [TL-04001]. Ensure Coupling Block Check Valves [3, Pg. 8] are in place.
5. Connect air supply to the Gun [90 to 125 psi].



NOTE: The material delivery hoses are color coded Red and Blue, allowing the user to recognize them. The Red corresponds to the Isocyanate (A) and the Blue to the Polyol (R). To avoid connection errors, the Coupling Connections of the Isocyanate (A) and Polyol (R) hoses are also different sizes, which makes it difficult to swap connections.

6. Set the Gun Lock [6] to the **OPEN** position.
7. Pull the Trigger [11] several times to check for correct movement of the Mixing Chamber [14, Pg. 12] and PCT (pattern control tip) [15, Pg. 12].
8. Ensure that the Proportioner and the supply system is in the ready position and the material pressures at the Proportioner and the material temperatures in the Material Heaters and Heated Hoses are set as recommended by the chemical supplier (see Machine Service Manual).
9. **OPEN** each Manual Valve [13] by turning three full turns counter clockwise.
10. Perform a test spray.

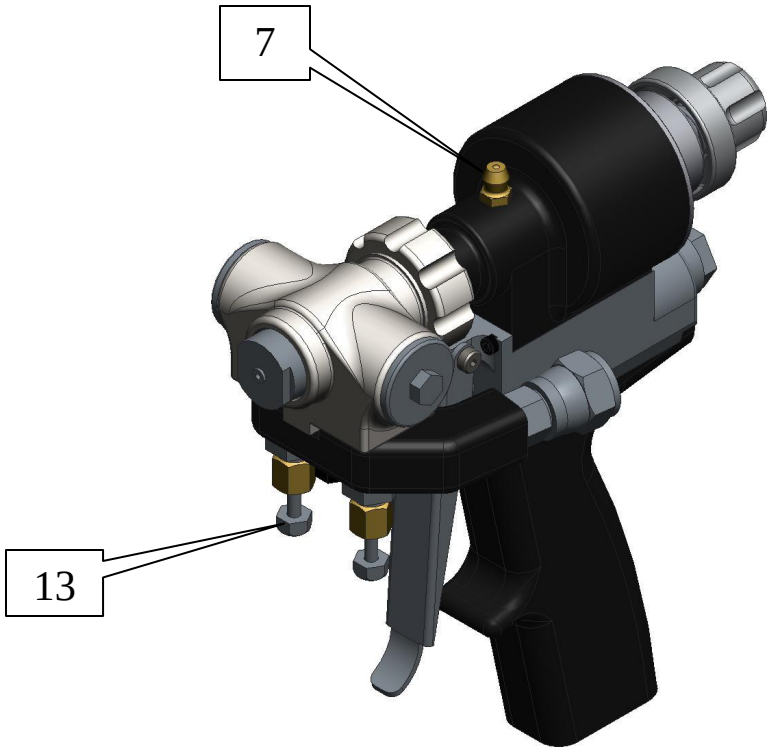
SHUTDOWN PROCEDURES

1. CLOSE the Manual Valves [13] by turning them to the full clockwise position.

   CAUTION! Excessive force closing or opening Manual Valves may result in damage to the Manual Valves and/or Coupling Block.

2. Using the Grease and Grease Gun supplied in the Tool Kit, lubricate the Mixing Chamber through the Fitting [7] until a fine mist of grease is sprayed from the gun. This action will help prevent ISOCYANATE from crystallizing on the mixing chamber which may cause damage to the internal parts. Note: PMC Grease in recommended. Use of incorrect grease will cause blockage in the mixing chamber.

3. Disconnect the air supply.

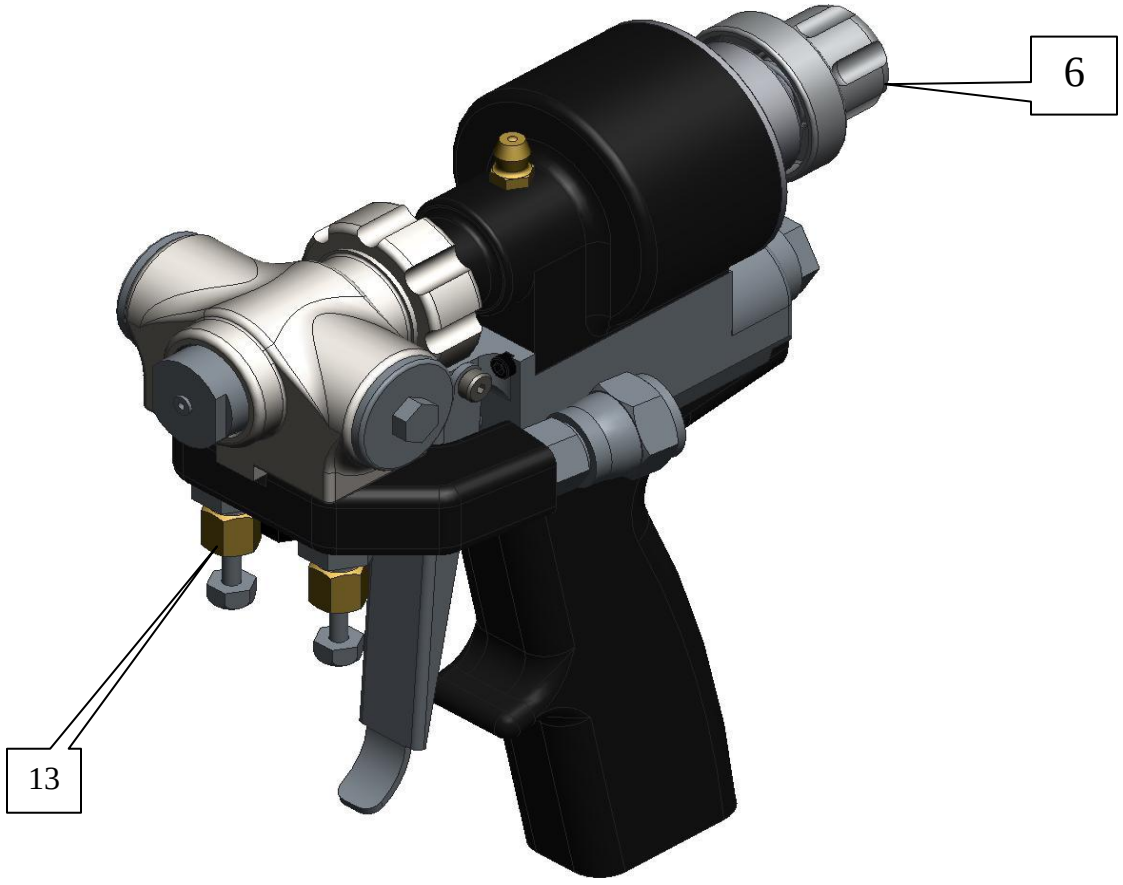


NOTE: The injection of grease supplied with the Gun at the end of the day will minimize maintenance time and eliminate the need to remove the Mixing Chamber each day to clean it. Use of grease with high moisture content will not achieve the desire results.

LOSS OF AIR PRESSURE/EMERGENCY SHUT-OFF

1. Using the palm of your hand, push in on the Gun Lock [6] and rotate clockwise to set it to the **LOCKED** position. In the locked position the Gun Lock will restrict the movement of the air piston (center line) from moving to the rear to an open position, thus rendering the gun in-operable.
2. **CLOSE** each Manual Valve [13].

CAUTION! Excessive force closing or opening Manual Valves may result in damage to the Manual Valves and/or Coupling Block.

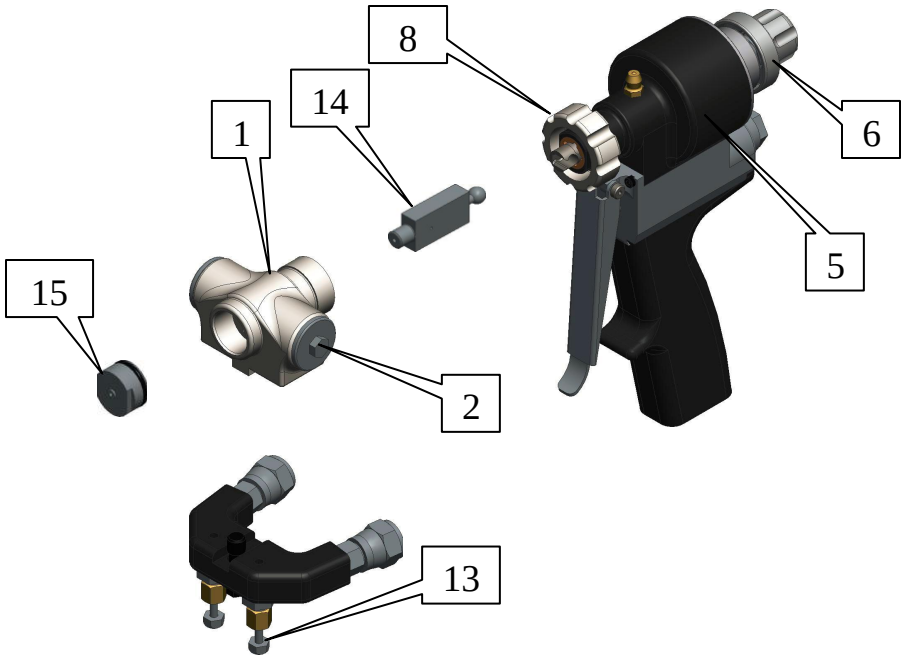


MAINTENANCE

To obtain maximum performance from your **AP-2** Gun, it is necessary to periodically perform certain maintenance operations.

WARNING! Before proceeding with any maintenance work on the AP-2 Gun, ensure the Gun Lock is in the LOCKED position and the Manual Valves are CLOSED. Trigger the Gun to remove internal material pressure. It is recommended to remove the Gun from the Coupling Block.

GUN BLOCK AND MIXING CHAMBER REMOVAL



1. **CLOSE** the Manual Valves [13] by turning them to the full clockwise position.

CAUTION! Excessive force opening or closing Manual Valves may result in damage to the Manual Valves and/or Coupling Block.

2. Trigger Gun over Waste Container to release internal material pressure.
3. Loosen or remove both Screen Screws [2] to facilitate easy removal of the mixing chamber.
4. Using the wrench provided, remove the Pattern Control Tip [15] from the mixing chamber.
5. Using the spanner wrench provided, loosen the Locking Collar [8] from the Gun Block and remove the Gun Block from the Air Cylinder [5].

Maintenance Continued

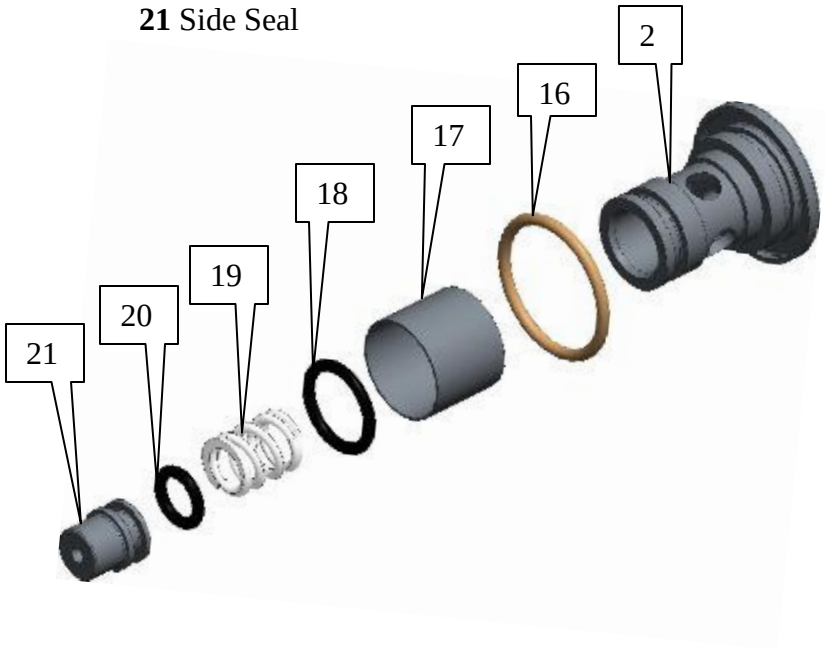
6. Remove the Chamber from the Piston Rod [9, Pg. 8].
7. Flush Gun Block [1, Pg. 12] to remove any residue.
8. Clean or replace the Mixing Chamber [14, Pg. 12] as required.
9. Reassemble the Mixing Chamber [14, Pg. 12] in reverse order.

NOTE! A small amount of grease applied to the Mixing Chamber [14, Pg. 12] and Side Seals [21, Pg. 12] upon assembly is recommended.

CAUTION! Use wooden or plastic tools or a brass brush for cleaning. Do not use metal or abrasive tools that can scratch the contact surfaces.

SCREEN SCREW AND COMPONENT MAINTENANCE

2 Screen Screw
16 Screen Screw Seal
17 Screen
18 O Ring
19 Spring
20 O Ring
21 Side Seal



CAUTION! To avoid possible contamination by the residual chemical inside the Gun do not interchange the Isocyanate (A) parts with the Polyol (R) parts. The Isocyanate (A) side is identified with an (A) on the Screen Screw Head and the Polyol (R) side is marked with an (R) on the Screen Screw Head. The Gun Block is also marked with (A) and (R) designation.

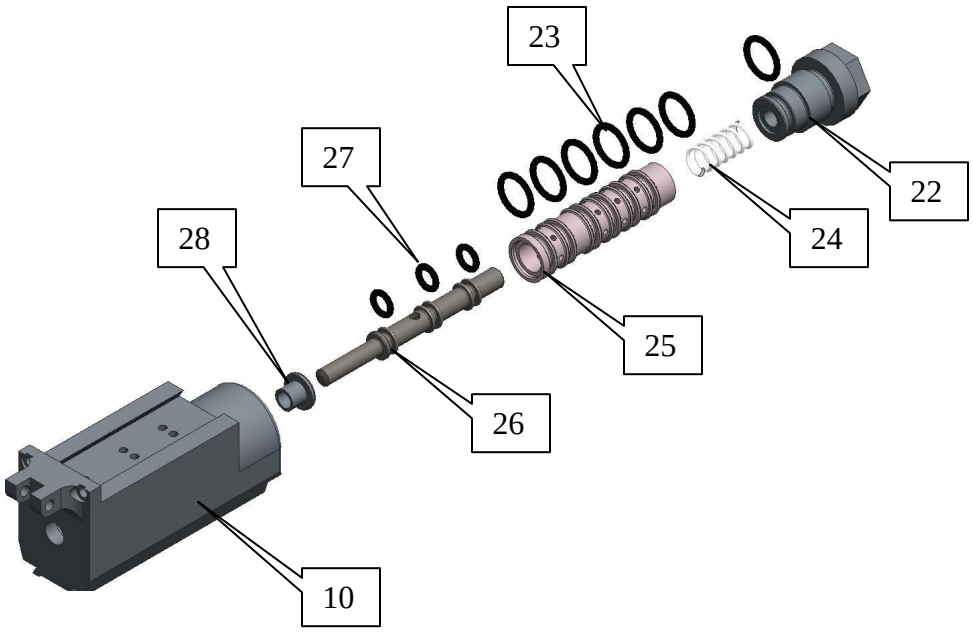
1. **CLOSE** the Manual Valves [13] by turning them to the full clockwise position.

CAUTION! Excessive force opening or closing Manual Valves may result in damage to the Manual Valves and/or Coupling Block.

2. Trigger Gun over Waste Container to release internal material pressure.
3. Set the Gun Lock [6] to the **LOCKED** position.
4. Use the 15/16” Spin-Tite wrench and remove the Screen Screw [2].
5. Clean or replace the Screen [2] as required.
6. Remove the Side Seal [21] and Spring [19] from the Screen Screw. Inspect the components Gasket and O-rings. Clean or replace as required.
7. Apply lubrication to the O-rings and threads and reassemble in reverse order.
8. The Gun is now ready for service.

NOTE: When replacing O-rings, replace ALL O-rings included in the appropriate Kit.

AIR MANIFOLD MAINTENANCE



1. **CLOSE** the Manual Valves [13, Pg. 12] by turning them to the full clockwise position.

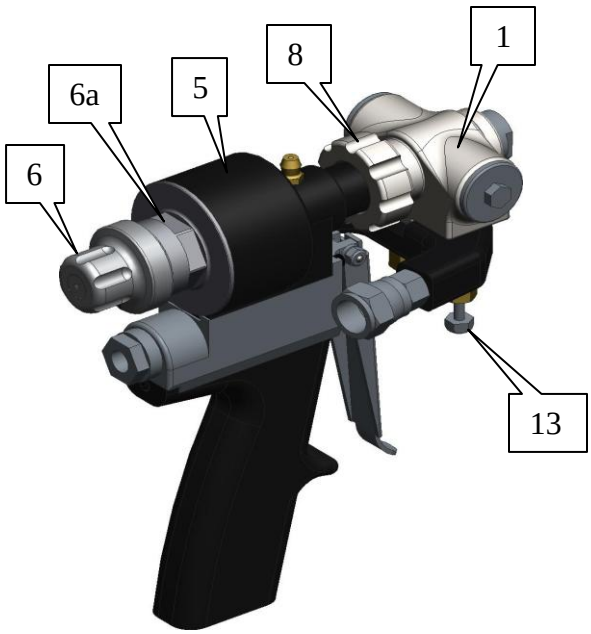
CAUTION! Excessive force opening or closing Manual Valves may result in damage to the Manual Valves and/or Coupling Block.

2. Set the Gun Lock [2, Pg. 12] to the **LOCKED** position.
3. Disconnect the air supply from the Gun.
4. Use a suitable wrench and remove the air fitting from the rear of the manifold.
5. Use supplied wrench and remove the spool valve retainer [22].
6. Remove the spring [24] and Spool Valve Liner [25] and Spool Valve [26] using the supplied tool.
7. Replace the O-rings and Spring. Apply a small amount of grease on all components to facilitate the reassembly.

NOTE! When replacing O-rings, replace ALL O-rings included in KT-826 Rebuild Kit.

8. Inspect, clean and/or replace all remaining Trigger Valve assembly components. Apply a small amount of grease to the inside of the Trigger Valve cavity and to the O-rings on the Spool Valve to facilitate reassembly.
9. Reassemble the Trigger and Trigger Valve assembly in reverse order.

AIR CYLINDER MAINTENANCE



1. **CLOSE** the Manual Valves [13] by turning them to the full clockwise position.

CAUTION! Excessive force opening or closing Manual Valves may result in damage to the Manual Valves and/or Coupling Block.

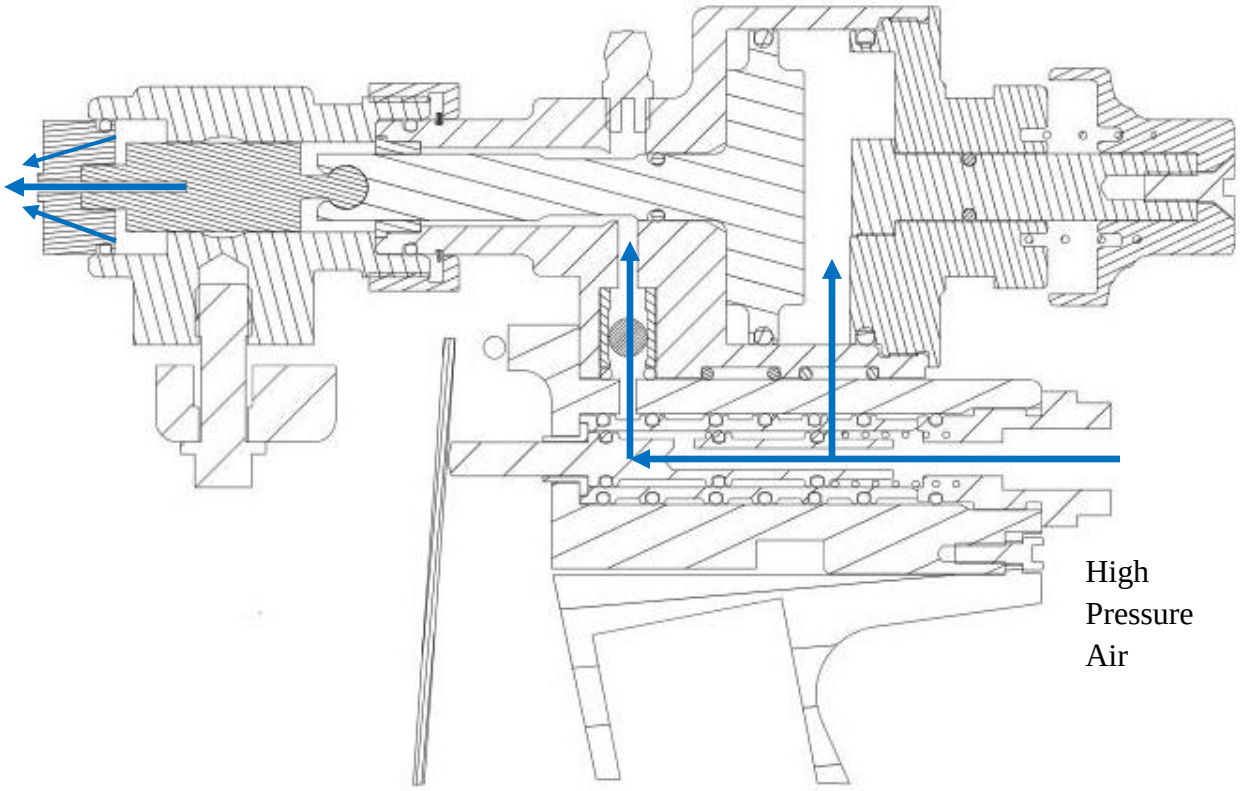
2. Set the Gun Lock [6] to the **LOCKED** position.
3. Trigger Gun over Waste Container to release internal material pressure.
4. Using the spanner wrench provided [TL-08], loosen the Locking Collar [8] from the Gun Block [1] and remove the complete Gun Block assembly from the Air Cylinder [5], see Gun Block Removal [Pg 12].
5. Use the Open End Wrench [TL-09] provided, remove the End Cap [6a].
6. Remove the Piston [9] from the rear of the Air Cylinder [5].
7. Inspect the O-rings on the Piston and shaft and replace as required.
8. Inspect the O-ring on the End Cap and replace as required.

NOTE! When replacing O-rings, replace ALL O-rings included in the KT-801 Rebuild Kit.

9. Coat the inside of the Cylinder and all O-rings with grease to facilitate reassembly.
10. Reassemble the Air Cylinder in reverse order.

CAUTION! Use wooden or plastic tools or a brass brush for cleaning. Do not use metal or abrasive tools that can scratch the contact surfaces.

GUN OPERATION

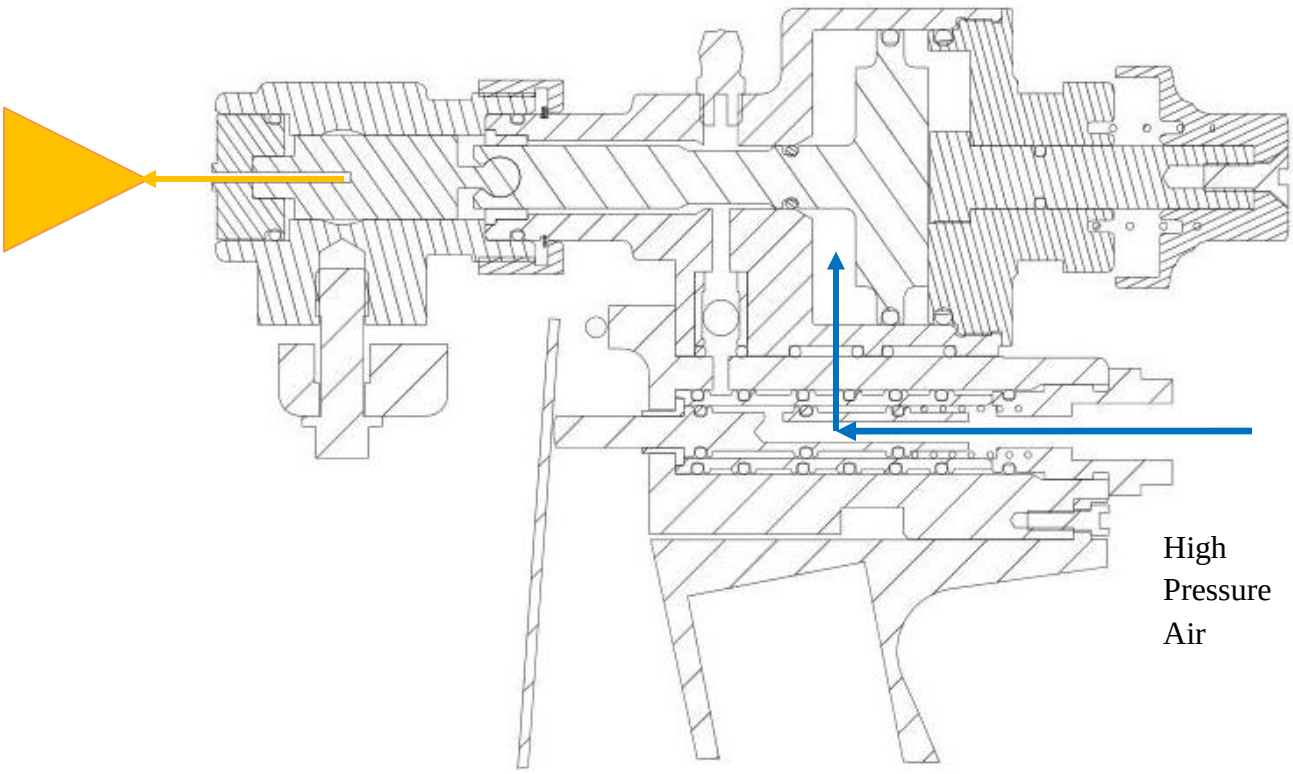


TRIGGERED OFF

High pressure air:

- Enters through the rear of the Air Manifold.
- Passes around the Spool Valve to the back of the Piston moving the Piston and Chamber forward to the **CLOSED** position and maintaining it closed.
- In the closed position, the orifices in the Chamber are not concentric with the Side Seal ports and are opened to the air/grease chamber in the Gun Block.
- Purge air passes through the spool valve and past a check valve and into the air cylinder and gun block.
- Purge air and residual grease enter the mixing chamber and pass through the chamber and PCT expelling mixed material out of the chamber area.
- Purge air is also expelled from the PCT in a circular trajectory to keep the tip clean.

TRIGGERED ON



- The open Spool Valve isolates air to the front side of the Piston; moving the Piston and Chamber rearward.
- The orifices in the Chamber are now concentric with the high pressure chemical valved at the Side seal.
- This allows the material at temperature and pressure to be impinged as it enters the Chamber and injected out through the PCT in a controlled pattern of size and shape.
- At the instant of valving, the purge air is shutoff from the Air Cylinder and there is no source of purge air during spraying.
- IMPORTANT: In the OPEN position, the PCT will be approximately flush with the front surface of the Gun Block.

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
PCT not flush with Gun Block when Gun is triggered	Air Safety Valve Closed	OPEN
	Insufficient Gun air pressure (minimum 90 psi)	Ensure 90 psi of air pressure at Gun
	Trigger Valve requires service	Rebuild, see page 15
	Air Passages plugged	Clean, See page 17
Material does not spray when Gun is triggered	Manual Valve [13] CLOSED	OPEN, see page 9, #8
	Mixing Chamber [14] Inlet Orifices plugged	Clean, see page 14
	Side Seal [21] Orifices plugged	Clean, see page 14
	Check Valve [18] plugged	Replace, see page 25
Mixing Chamber moves slowly	Trigger Valve requires service	Rebuild, see page 15
	Piston Assembly [34] requires service	Rebuild, see page 16
	Air Passages plugged	Clean, see page 17
Mixing Chamber moves slowly, then normal speed	Reacted material around Side Seals [21]	Inspect Side Seals[21], Mixing Chamber [14] for reacted materials, clean, see pages 12,14
Pattern deformation	Mixing Chamber Nozzle dirty	Inspect and clean
	PCT dirty	Inspect and clean
Material spray pressure imbalance	Mixing Chamber [3] Inlet Orifices plugged	Clean
	Side Seal [21] Orifices plugged	Clean, see page 14
	Dirty screens	Replace
	Material temperatures not as recommended by material supplier	Adjust, see Proportioner Operating Manual
Iso and/or Resin in Gun Air Passages	Side Seal [21] damaged	Replace, see page 14
	Mixing Chamber [14] damaged	Replace, see page 12
	Side Seal/ Screen Screw O-rings [18 Pg 14] damaged	Replace, see page 14
Material mist from Mixing Chamber [3] or PCT [4]	Side Seal [21] damaged	Replace, see page 14
	Mixing Chamber [14] damaged	Replace, see page 12
	Side Seal/ Screen Screw O-rings [18 Pg 14] damaged	Replace, see page 14
Excessive overspray	Material temperatures and/or spray pressures not as recommended by material supplier	Adjust, see Proportioner Operating Manual
Buildup of material on PCT	Plugged air passages in PCT [4] and Gun Block [1]	Clean, see page 17
Steady air leakage from Handle	Air Cylinder [5] O-rings damaged	Replace, see page 19
	Trigger Valve O-rings damaged [23]	Replace, see page 15

REFERENCE GUIDE

AP-2 CHAMBER

PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
GU-814-000	GU-814-00	GU-814-01	GU-814-02	GU-814-03	GU-814-04
INCLUDES	INCLUDES	INCLUDES	INCLUDES	INCLUDES	INCLUDES
1 each GU-03031	1 each GU-03023	1 each GU-03021	1 each GU-03023	1 each GU-03022	1 each GU-03029
1 each GU-03032	1 each GU-03027	1 each GU-03022	1 each GU-03024	1 each GU-03028	1 each GU-03054

AP-2 PCT

PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
GU-815-000	GU-815-00	GU-815-01	GU-815-02	GU-815-03	GU-815-04
INCLUDES	INCLUDES	INCLUDES	INCLUDES	INCLUDES	INCLUDES
1 each GU-03033	1 each GU-03033	1 each GU-03033	1 each GU-03033	1 each GU-03033	1 each GU-03033
1 each GU-03022	1 each GU-03022	1 each GU-03022	1 each GU-03022	1 each GU-03022	1 each GU-03022
1 each GU-03032	1 each GU-03023	1 each GU-03022	1 each GU-03024	1 each GU-03028	1 each GU-03029
1 each OR-00042A	1 each OR-00042A	1 each OR-00042A	1 each OR-00042A	1 each OR-00042A	1 each OR-00042A

CHAMBER/PCT KIT

PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
KT-814-000	KT-814-00	KT-814-01	KT-814-02	KT-814-03	KT-814-04
INCLUDES	INCLUDES	INCLUDES	INCLUDES	INCLUDES	INCLUDES
GU-814-000	GU-814-00	GU-814-01	GU-814-02	GU-814-03	GU-814-04
GU-815-000	GU-815-00	GU-815-01	GU-815-02	GU-815-03	GU-815-04

AIR MANIFOLD TRIGGER REBUILD KIT

PART NUMBER	DESCRIPTION
KT-826	
INCLUDES	
1 each GU-825-1	LINER
1 each GU-825-2	LINER BUSHING
1 each GU-824	SPRING
7 each OR-803	O RING
3 each OR-00002A	O RING
1 each OR-804	O RING
2 each OR-00037A	O Ring

AIR CYLINDER REBUILD KIT

PART NUMBER	DESCRIPTION
KT-801	
INCLUDES	
2 each OR-00026A	O RING
3 each OR-00043A	O RING
1 each OR-00002A	O RING
1 each OR-00037A	O RING
1 each OR-00042A	O RING
1 each GU-829	CHECK VALVE
1 each GU-830	BUSHING

RECOMMENDED SPARE PARTS

PART NUMBER	DESCRIPTION
1 each KT-814-SIZE	CHAMBER/PCT KIT (page 20)
1 each KT-826	AIR MANIFOLD REBUILD KIT (page 20)
1 each KT-801	AIR CYLINDER REBUILD KIT (page 20)
2 each GU-817-90	SIDE SEAL (page 23)
4 each GU-818-SIZE	SCREENS (SIZES ARE BELOW)
2 each GU-04007	GASKET, SCREEN SCREW (page 23)
8 each OR-00043A	O RING, SIDE SEAL (page 23)
8 each OR-801	O RING, SCREEN SCREW (page 23)
2 each SP-04005	SPRING (page 23)
1 each GU-02020-00	Manual Valve (page 23)
2 each GU-820	COUPLING BLOCK CHECK VALVE (page 23)
2 each OR-00042A	O RING, PCT/ GUN MOUNT (page 23)
1 each GU-829	CHECK VALVE AIR (page 24)
2 each TN-831	SCREW (page 25)
1 each TL-04003	GREASE TUBE

SCREEN SIZES

PART NUMBER	DESCRIPTION
GU-818-80	SCREEN, 80 mesh (Standard with all guns)
GU-818-60	SCREEN, 60 mesh
GU-818-40	SCREEN, 40 mesh

GUN TOOLS

PART NUMBER	DESCRIPTION
TL-08	OPEN END WRENCH
TL-09	SPANNER WRENCH
TL-10	CHECK VALVE REMOVAL TOOL

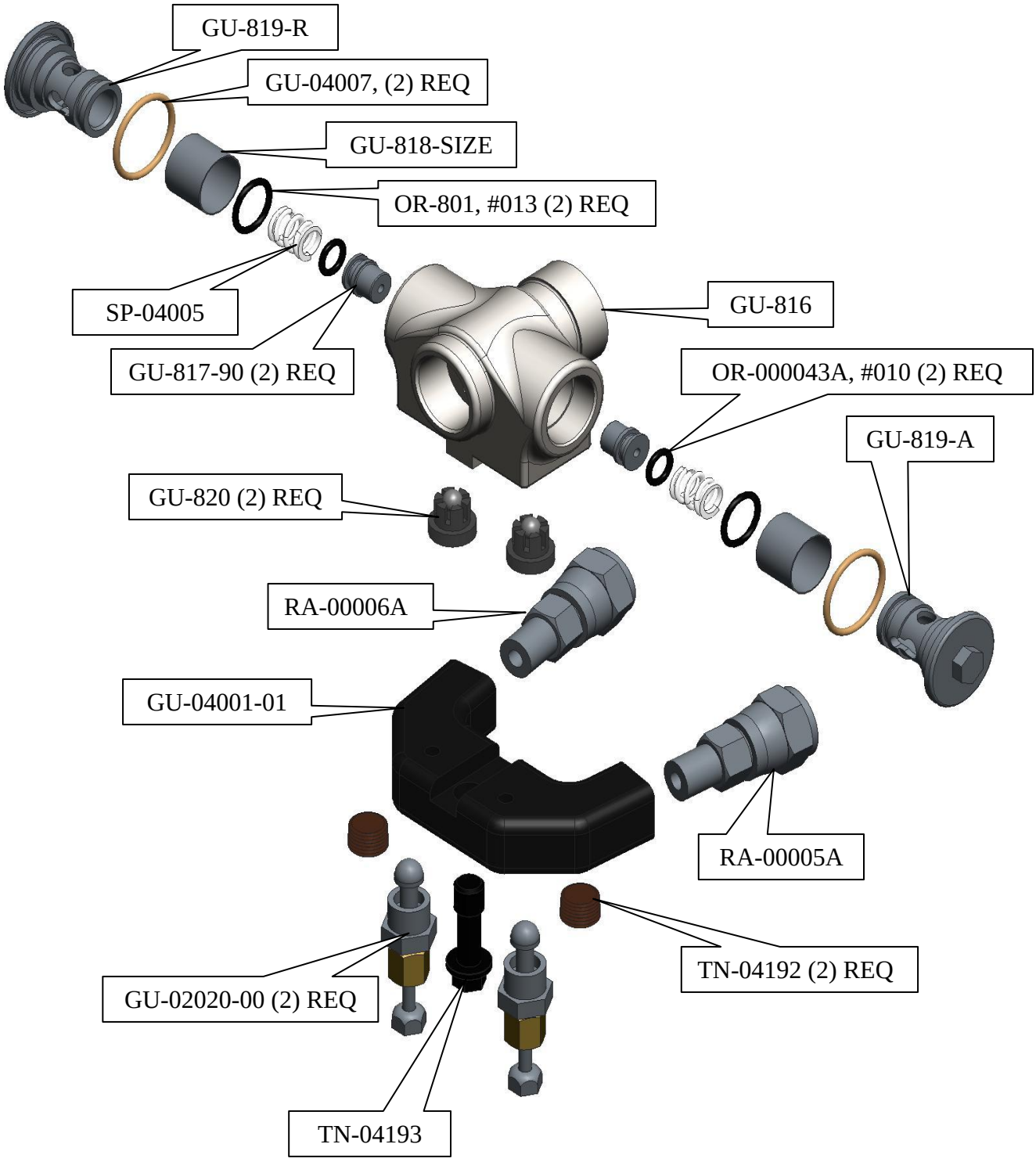
1/4” UNHEATED STAINLESS STEEL HOSE ASSY.

PART NUMBER	DESCRIPTION
MA-41	HOSE PACKAGE KIT, UNHEATED
MA-41A	REPLACEMENT HOSE, “A” SIDE
MA-41R	REPLACEMENT HOSE, “R” SIDE

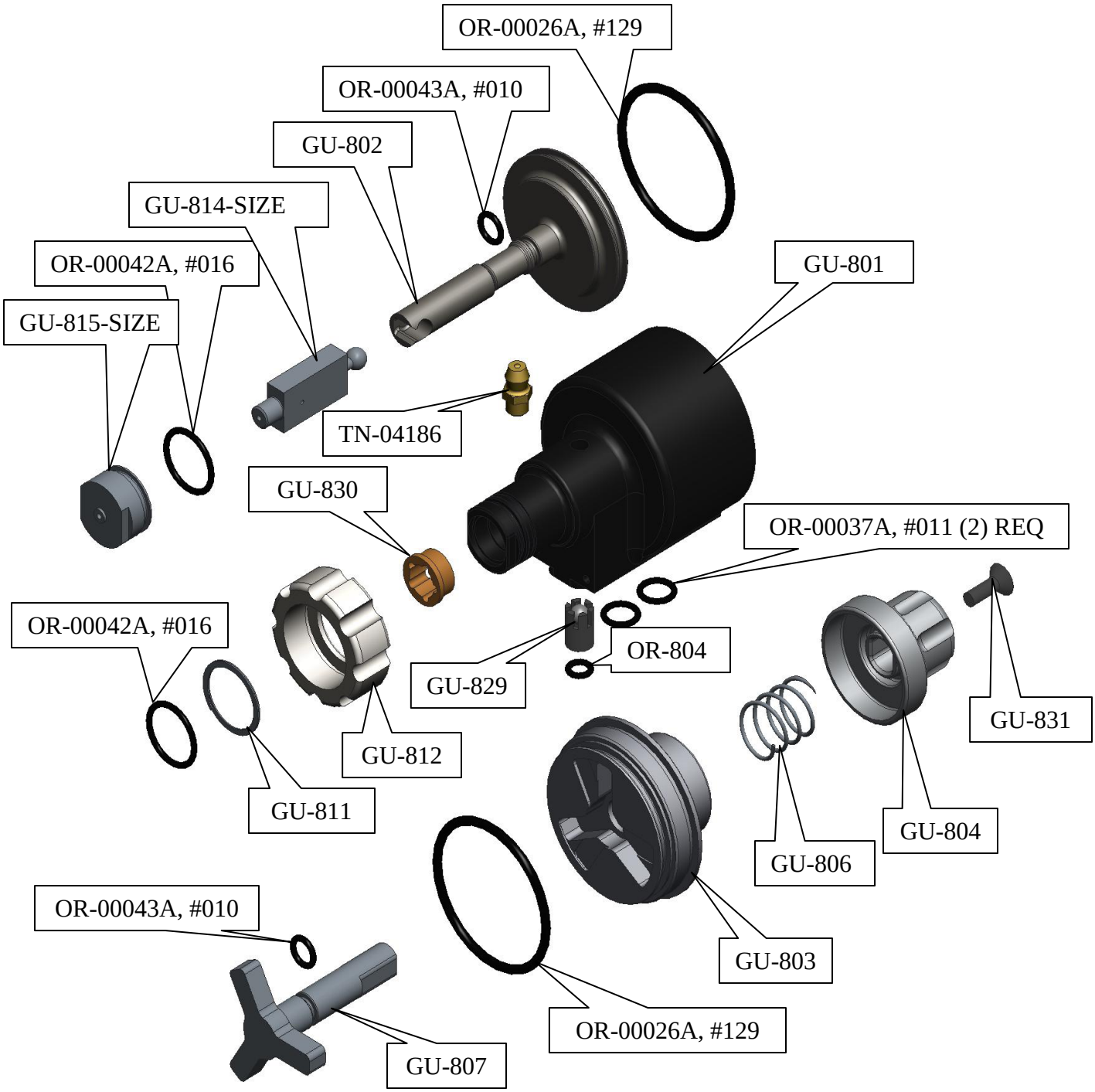
Optional MA-41 Kit shown on AP-2 Gun

Optional Flush Pot Kit TL-12

PARTS IDENTIFICATION



PARTS IDENTIFICATION



AIR MANIFOLD AND TRIGGER