



**MODEL 115 SPRAY GUN**  
**6143-0901-3 115 GUN 78SS-78S**  
**6143-0901-5 115 GUN 78SS-78SD**

**OPERATION AND MAINTENANCE**

The Model 115 Gun is normally used for touch-up, stenciling, and small work spraying.

**CONTROLLING THE FAN SPRAY**

The fan spray for an external mix nozzle set-up is easily controlled by means of the side port control assembly (17). Turning the valve stem (19) to the right, or clockwise, until it is closed will give a round spray; turning it to the left, or counter-clockwise, will widen the spray into a fan shape of any width desired. The direction of the fan spray, either horizontal or vertical, is obtained by turning the air nozzle to the desired position, then tightening the retainer ring.

**CONTROLLING THE FLUID**

If a fluid pressure tank is used, the amount of fluid can be controlled by regulating the pressure on the tank. The amount of fluid can also be controlled by means of the fluid control screw (21). Turning this screw to the right, or clockwise, reduces the amount of fluid; to the left, or counter-clockwise, increases the amount of fluid.

**FAULTY SPRAY**

A faulty spray is caused by improper cleaning or dried material around the fluid nozzle tip or in the air nozzle. Soak these parts in a solvent that will soften the dried material and remove with a brush or cloth.

**CAUTION**

**Never use metal instruments to clean the air or fluid nozzles. These parts are carefully machined and any damage to them will cause a faulty spray.**

If either the air nozzle or fluid nozzle is damaged, the part must be replaced before a perfect spray can be obtained.

**TO REPLACE FLUID PACKING**

Remove the fluid control screw (21), spring (23) and fluid needle (3). Then remove the fluid packing nut (25) and take out the old packing with a small stiff wire. Replace with new packing (8). Oil lightly and reassemble in reverse order. Do not over tighten fluid packing nut. Doing so can prevent needle movement.

**CORRECTING AIR LEAK THROUGH GUN OR AROUND AIR VALVE STEM ASSEMBLY**

Air leaking through the gun is caused by the air valve stem assembly (20) not seating properly. Air leaking around the air valve stem assembly (20) may be caused by worn packing (8) or damaged air valve stem assembly (20). Remove air connection (24), spring (15), air valve stem assembly (20), valve nut (14) and packing (8). Thoroughly clean parts, put one drop of oil on packing (8) and reassemble in reverse order.

**CLEANING THE GUN WHEN USED WITH PRESSURE TANK**

Shut off the air supply to the pressure tank and release the pressure in the tank. Hold a piece of cloth over the gun nozzle and pull the trigger, the air will back up through the fluid nozzle and force the fluid out of the hose and into the tank. Remove paint from tank, clean tank and put enough compatible solvent into the tank to clean the hose and gun thoroughly. Spray this through the gun triggering the gun intermittently until it is clean, then blow out the fluid hose to dry it and remove all traces of materials by attaching it to the air line.

**CLEANING THE GUN WHEN USED WITH A CUP**

A compatible solvent should be siphoned through gun by inserting tube from siphon cup in an open container of solvent. Trigger gun intermittently to thoroughly flush passageways and internal parts.

**WARNING**

**REGARDING AIR PRESSURE SAFETY**

**Shut off air pressure before connecting or disconnecting air hose or removing any components from the gun. Servicing the gun while pressurized could result in damage to components or bodily injury.**

**Binks MODEL 115 SPRAY GUN**

TYPE OF FLUID TO BE SPRAYED	FLUID x AIR NOZZLES	TYPE	CFM @30 PSI	CFM @50 PSI	CFM @70 PSI	PATTERN AT 8"	NEEDLE	FLUID NOZZLE ORIFICE
<b>VERY THIN</b>								
14-16 SECS—NO.2 ZAHN	78SS X 78S	SE	4.2	6.9		8"	78SS	.070
WASH PRIMERS, DYES, CLEANING FLUIDS, STAINS, WATER INKS	78SS X 78SD	SE	2.8	4.0		7"	78SS	.070
<b>THIN</b>								
16-20 SECS—NO. 2 ZAHN	78SS X 78S	SE	4.2	6.9		8"	78SS	.070
SEALERS, PRIMERS, LACQUERS	78SS X 78SD	SE	2.8	4.0		7"	78SS	.070
<b>MEDIUM</b>								
19-30 SECS—NO.2 ZAHN	78SS X 78S	SE	4.2	6.8		8"	78SS	.070
LACQUERS, PRIMERS, VARNISHES, SYN. ENAMELS, WALL PAINTS, HOUSE PAINTS								

SE—Siphon Feed—External Mix

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

## **WARNING**

Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

## **CAUTION**

Hazards or unsafe practices which could result in minor personal injury, product or property damage.

## **NOTE**

Important installation, operation or maintenance information.

## **WARNING**

### Read the following warnings before using this equipment.



#### **READ THE MANUAL**

Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



#### **OPERATOR TRAINING**

All personnel must be trained before operating finishing equipment.



#### **EQUIPMENT MISUSE HAZARD**

Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



#### **LOCK OUT / TAG-OUT**

Failure to de-energize, disconnect, lock out and tag-out all power sources before performing equipment maintenance could cause serious injury or death.



#### **AUTOMATIC EQUIPMENT**

Automatic equipment may start suddenly without warning.



#### **PRESSURE RELIEF PROCEDURE**

Always follow the pressure relief procedure in the equipment instruction manual.



#### **KEEP EQUIPMENT GUARDS IN PLACE**

Do not operate the equipment if the safety devices have been removed.



#### **KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY**



#### **WEAR SAFETY GLASSES**

Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



#### **INSPECT THE EQUIPMENT DAILY**

Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



#### **NEVER MODIFY THE EQUIPMENT**

Do not modify the equipment unless the manufacturer provides written approval.



#### **NOISE HAZARD**

You may be injured by loud noise. Hearing protection may be required when using this equipment.



#### **PROJECTILE HAZARD**

You may be injured by venting liquids or gases that are released under pressure, or flying debris.



#### **PINCH POINT HAZARD**

Moving parts can crush and cut. Pinch points are basically any areas where there are moving parts.



#### **STATIC CHARGE**

Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.



#### **WEAR RESPIRATOR**

Toxic fumes can cause serious injury or death if inhaled. Wear a respirator as recommended by the fluid and solvent manufacturer's Safety Data Sheet.



#### **TOXIC FLUID & FUMES**

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, injected or swallowed. LEARN and KNOW the specific hazards of the fluids you are using.



#### **FIRE AND EXPLOSION HAZARD**

Improper equipment grounding, poor ventilation, open flame or sparks can cause a hazardous condition and result in fire or explosion and serious injury.



#### **MEDICAL ALERT**

Any injury caused by high pressure liquid can be serious. If you are injured or even suspect an injury:

- Go to an emergency room immediately.
- Tell the doctor you suspect an injection injury.
- Show the doctor this medical information or the medical alert card provided with your airless spray equipment.
- Tell the doctor what kind of fluid you were spraying or dispensing.



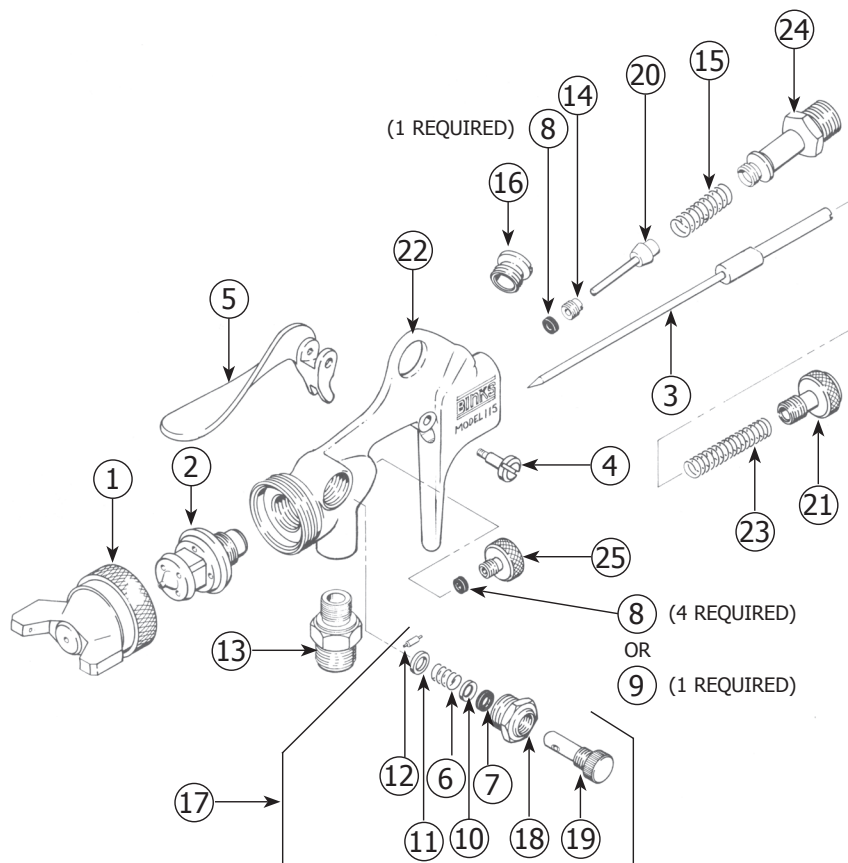
#### **GET IMMEDIATE MEDICAL ATTENTION**

To prevent contact with the fluid, please note the following:

- Never point the gun/valve at anyone or any part of the body.
- Never put hand or fingers over the spray tip.
- Never attempt to stop or deflect fluid leaks with your hand, body, glove or rag.
- Always have the tip guard on the spray gun before spraying.
- Always ensure that the gun trigger safety operates before spraying.

**IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT. FOR FURTHER SAFETY INFORMATION REGARDING THIS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).**

## Binks MODEL 115 SPRAY GUN



### PARTS LIST

ITEM NO. QTY.	PART NO.	DESCRIPTION	ITEM NO. QTY.	PART NO.	DESCRIPTION
1	*	AIR NOZZLE.....	1	15	55-826• SPRING .....
2	*	FLUID NOZZLE.....	1	16	55-827 AIR VALVE CAP .....
3	*	FLUID NEEDLE.....	1	17	55-828 SIDE PORT CONTROL ASS'Y.....
4	55-422	SCREW, Trigger .....	1	18	— SIDE PORT CONTROL BODY .....
5	55-434	TRIGGER ASSEMBLY.....	1	19	— VALVE STEM .....
6	55-539•	SPRING .....	1	20	55-874• AIR VALVE STEM ASSEMBLY.....
7	55-541-5•	LEATHER PACKING.....	1	21	55-875 FLUID CONTROL SCREW .....
8	55-548-5•	PACKING, Standard, Leather.....	5	22	— BODY .....
9	55-560	PACKING, Optional, PTFE.....	1	23	55-881-5 SPRING .....
10	55-634	PACKING RING.....	1	24	55-885 AIR CONNECTION .....
11	—	SPRING RING.....	1	25	55-898 FLUID PACKING NUT.....
12	—	PIN.....	1	26	54-3871 GUNNERS MATE (NOT SHOWN) .....
13	57-126	AIR CONNECTION .....	1	27	54-4133 BRUSH (NOT SHOWN).....
14	55-825	VALVE NUT .....	1	28	OMX-88 BRUSH (NOT SHOWN).....

\* Be sure to specify number stamped on Air Nozzle and Fluid Nozzle, or see Nozzle Selection Chart on page 1.  
 Be sure to specify by number on Fluid Needle, and gun model when ordering.  
 • Also available in 6-222 Repair Kit. Please order separately.

### BINKS 115 GUN FLUID NEEDLE / FLUID NOZZLE / AIR NOZZLE DESIGNATION # TO PART # CONVERSION

Fluid Nozzle / Fluid Tip (Designation #) Stamped on Part	Part # (Order By)	Air Nozzle / Air Cap (Designation #) Stamped on Part	Part # (Order By)	Fluid Needle / Needle Valve Stamped on Part	Part # (Order By)	Orifice Size (Inches)	Orifice Size (MM)
78SS	<b>45-7801</b>	78S	<b>46-7005</b>	78SS	<b>47-7891</b>	0.07	1.8
78SS	<b>45-7801</b>	78SD	<b>46-7006</b>	78SS	<b>47-7891</b>	0.07	1.8

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## WARRANTY POLICY

This product is covered by Carlisle Fluid Technologies' materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. Failure to reasonably follow any maintenance guidance provided may invalidate any warranty.

For specific warranty information please contact Carlisle Fluid Technologies.

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For technical assistance or to locate an authorized distributor, contact one of our international sales and customer support locations.

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