

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT

AND GENERAL SUPPORT MAINTENANCE MANUAL

INCLUDING REPAIR PARTS LIST

FOR

SPRAY GUN, PAIN

MODEL 15

(BINKS MANUFACTURING COMPANY)

(NSN 4940-00-396-1663)

HEADQUARTERS, DEPARTMENT OF THE ARMY

MARCH 1981

Technical Manual
No. 9-4940-507-14&P

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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 15 March 1981

Operator's, Organizational, Direct Support
and General Support Maintenance Manual

Including Repair Parts List

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2, located in the back of this manual direct to: Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, IL 61299. A reply will be furnished directly to you.

NOTE

This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom this spray gun is issued.

Manufactured by: Binks Manufacturing Company
9201 West Belmont Avenue
Franklin Park, IL 60131

Procured under Contract No. DAAA09-78-M-5257

This technical manual is an authentication of the manufacturers' commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

INSTRUCTIONS FOR REQUISITIONING PARTS

NOT IDENTIFIED BY NSN

When requisitioning parts not identified by National Stock Number, it is mandatory that the following information be furnished the supply officer.

- 1 - Manufacturer's Federal Supply Code Number - 07334
- 2 - Manufacturer's Part Number exactly as listed herein.
- 3 - Nomenclature exactly as listed herein, including dimensions, if necessary.
- 4 - Manufacturer's Model Number - 15
- 5 - Manufacturer's Serial Number (End Item)
- 6 - Any other information such as Type, Frame Number, and Electrical Characteristics, if applicable.
- 7 - If DD Form 1348 is used, fill in all blocks except 4, 5, 6, and Remarks field in accordance with AR 725-50.

Complete Form as Follows:

- (a) In blocks 4, 5, 6, list manufacturer's Federal Supply Code Number - 07334 - followed by a colon and manufacturer's Part Number for the repair part.

(b) Complete Remarks field as follows:

Noun: (nomenclature of repair part)

For: NSN: 4940-00-396-1663

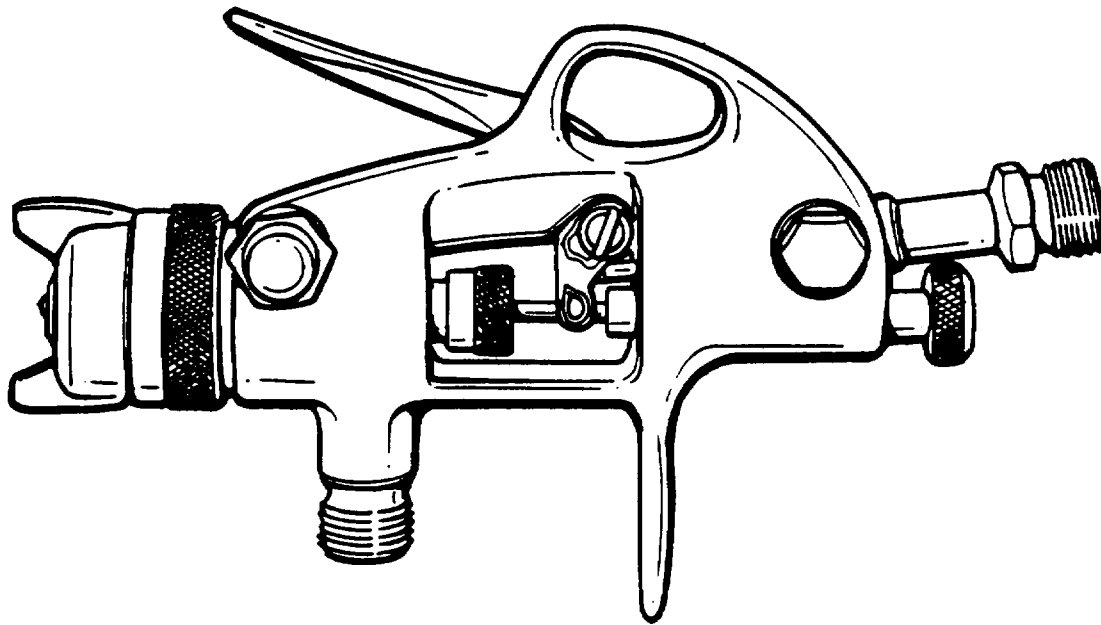
Manufacturer: Binks Manufacturing -Company

Model: 15

Serial: (of end item)

Any other pertinent information such as Frame Number, Type. Dimensions, etc.

MODEL 15 SPRAY GUN

$$\frac{1}{10}$$


OPERATION & MAINTENANCE INSTRUCTIONS

The Model 15 Gun is normally used for touchup, stenciling, and small works. The design of the gun makes it easier to control the spray for small works.

CONTROLLING THE FAN SPRAY: The fan spray for an external mix nozzle set-up is easily controlled by means of the Side Port Control 55-828. Turning the Stem 55-830 to the right, or clockwise, until it is closed will give a round spray; turning it to the left, or counterclockwise, 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 tuning 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 55-875. Turning this screw to the right, or clockwise, reduces the amount of fluid; to the left, or counterclockwise, 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 55-875, Spring 55-881 and needle. Then remove the Fluid Packing Nut 55-814 and take out the old packing with a small stiff wire. Replace with new Packing 515-832 oiled lightly and reassemble in reverse order. Do not tighten fluid packing nut too much so the needle will go through.

OPERATION & MAINTENANCE INSTRUCTIONS (Cont.)

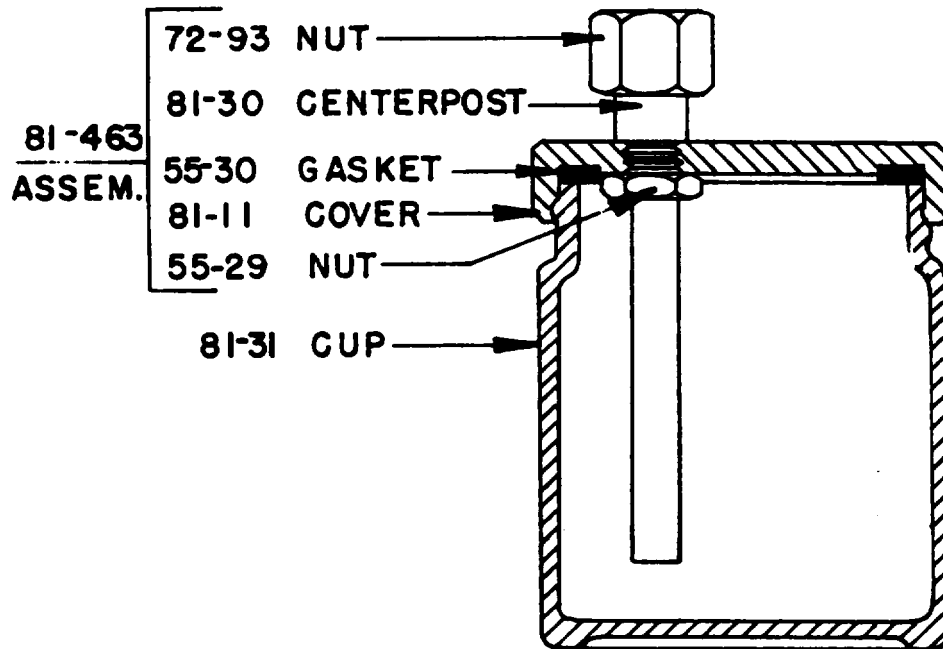
CONNECTING AIR LEAK THROUGH GUN OR AROUND VALVE STEM: Air leaking through the gun is caused by the Valve Stem Assembly 55-874 not seating properly. Air leaking around the Valve Stem may be caused by worn Packings 55-548 or damaged Valve Stem 55-874. Remove Connection 55-885, Spring 55-826, Stem 55-874, Nut 55-825 and Packing 55-548. Thoroughly clean parts and inspect for damage. Replace worn or damaged parts, put one drop of oil on Packings 55-548 and reassemble in reverse order.

TO ADJUST FLUID NEEDLE WHEN WORN: To adjust the fluid needle remove Control Screw 55-875, Spring 55-881 and Needle Assembly. With 1/4" wrench and a

screw driver, loosen the Lock nuts 55-876 and 55-811. back off Lock nut 55-876 one full turn and bring up Lock nut 55-811 and tighten snugly. Reassemble in reverse order.

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

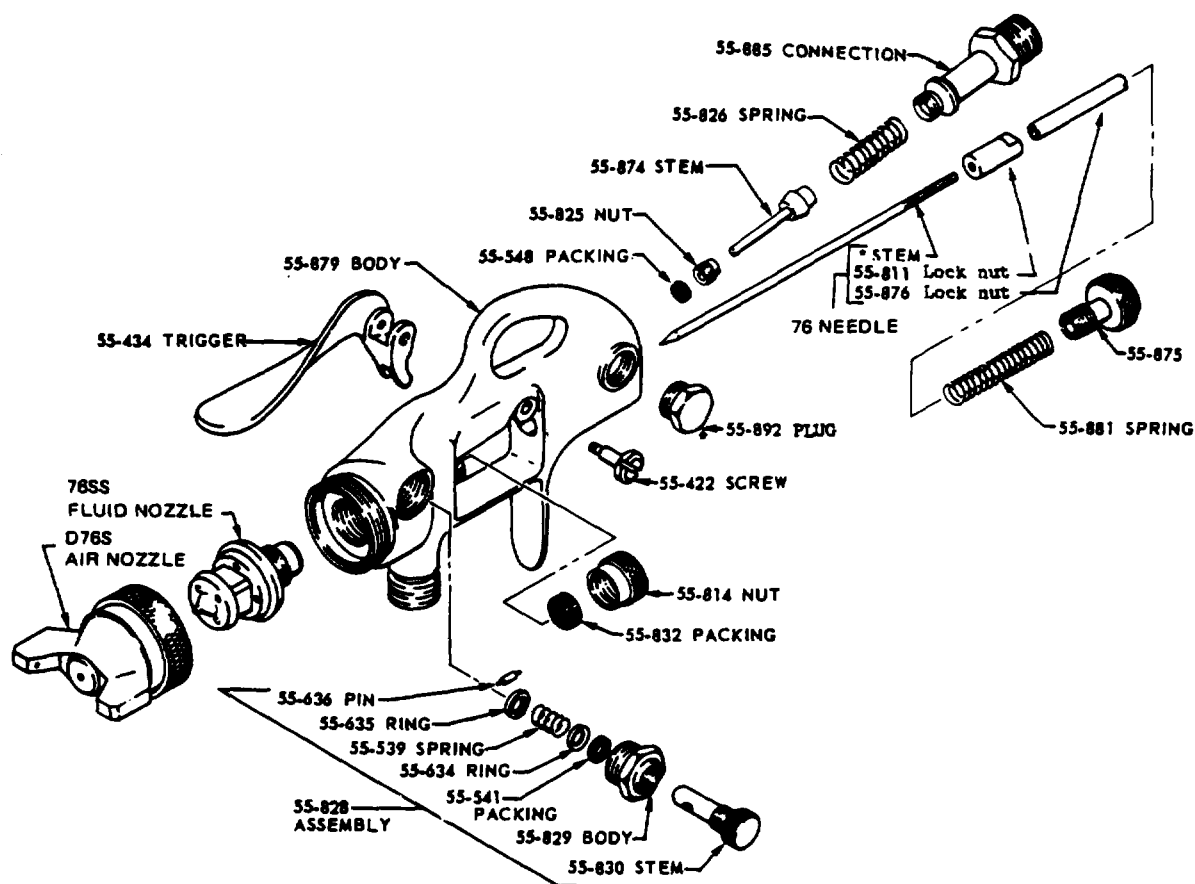
MODEL 81-582 CUP 4 OZ., GLASS SCREW TYPE WITH 1/4 NPS CONNECTION THREAD



PARTS LIST

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
55-29	NUT	1	81-30	CENTERPOST	1
55-30	GASKET	1	81-31	4 OZ. GLASS CUP	1
72-93	NUT	1	81-463	CUP COVER ASSY	1
81-11	COVER.....	1			

MODEL 15 SPRAY GUN



PARTS LIST

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
D76S	AIR NOZZLE	1	55-825	VALVE NUT	1
76SS	FLUID NOZZLE	1	55-826	SPRING	1
76	NEEDLE ASSEMBLY.....	1	55-828	SIDE PORT CONTROL ASSY	1
55-422	SCREW, Trigger	1	55-829	BODY	1
55-434	TRIGGER	1	55-830	STEM	1
55-539	SPRING	1	55-832	PACKING	1
55-541	PACKING	1	55-874	STEM ASSEMBLY.....	1
55-548	PACKING	1	55-875	SCREW	1
55-634	RING	1	55-876	REAR Lock nut	1
55-635	RING	1	55-879	BODY.....	1
55-636	PIN	1	55-881	SPRING	1
55-811	FRONT Lock out	1	55-885	AIR CONNECTION	1
55-814	NUT.....	1	55-892	PLUG	1

By Order of the Secretary of the Army:

Official:

J. C. PENNINGTON
Major General, United States Army
The Adjutant General

E. C. MEYER
General, United States Army
Chief of Staff

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