

DEPARTMENT
OF THE ARMY TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE
MANUAL INCLUDING REPAIR PARTS LIST
FOR
SPRAY OUTFIT, PAINT, MODEL 50-6519
(ECLIPSE SYSTEMS, INC) (4940-00-857-2290)

HEADQUARTERS,
DEPARTMENT OF THE ARMY

APRIL 1978

TECHNICAL MANUAL

No. 9-4940-428-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 21 April 1978

Operator, Organizational, Direct Support
and General Support Maintenance
Manual Including Repair Parts List

FOR

SPRAY OUTFIT, PAINT, MODEL 50-6519

(ECLIPSE SYSTEMS, INC) (NSN 4940-00-857-2290)

REPORTING OF ERRORS

You can help improve this manual by calling attention to errors and by recommending improvements and by stating your reasons for the recommendations. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed directly to Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, IL 61299. A reply will be furnished directly to you. For your convenience, preaddressed DA Form 2028-2's are included as final pages of this manual.

NOTE

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

Manufactured by: Eclipse Systems Inc.
28 Kulick Road
Fairfield, New Jersey 07006

Procured under Contract No. DAAA09-76-M-7923

SPRAY OUTFIT ASSEMBLY INSTRUCTIONS

The paint spray gun cup attaches to the threads on the head of the Spray Gun. The fluid tube should point away from the gun with the cup removed. The cup is held in place by a yoke which is activated by turning the lock ring to attach or release the cup.

An air line is attached to the threaded fitting on the handle of the gun. The other end of the hose is attached to the shut-off valve on the separator.

DESCRIPTION

The Model 76 is a heavy-duty production spray gun which will spray a complete range of materials, such as lacquers to heavy synthetics, with ease, using either a siphon cup or pressure feed.

OPERATION

There are two basic controls on the 76 spray gun. The fan control (18) regulates air going to the holes of the air cap. The fluid needle adjustment screw (8) controls needle travel and fluid flow.

Mix and prepare material according to instructions for siphon feed.

1. Attach air hose to gun at air inlet (10)
2. Attach cup or pressure feed to gun at material inlet
3. Adjust air pressure to desired amount at the Air Regulator
4. Adjust fluid volume by turning the fluid control screw (8) to the left or right.
5. Adjust to proper pattern by turning the fan control screw (18) to left or right.

The most efficient atomization air pressure is the lowest possible air pressure that will give the desired results.

A spraying distance of 6 to 12 inches from gun to work surface is recommended. The gun should be held perpendicular to the surface being coated.

The stroke should be started before the trigger is pulled and the trigger released before the end of each stroke.

