

**TECHNICAL MANUAL
OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE
MANUAL INCLUDING REPAIR PARTS LIST**

**TANK, PRESSURE FEED
MODEL 50-6523
(ECLIPSE SYSTEMS, INC.)
(NSN4940-00-542-4846)**

TECHNICAL MANUAL }
NO. 9-4940-469-14&P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 10 October 1980

**OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE MANUAL INCLUDING REPAIR PARTS LIST**

FOR

**TANK, PRESSURE FEED
MODEL 50-6523
(NSN 4940-00-542-4846)**

REPORTING OF ERRORS

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 use of the personnel to whom this pressure feed tank is issued.

Manufactured by: Eclipse Systems Inc.
Box E, Cork Hill Road
Franklin, NJ 07416

Procured under Contract No. DAAA09-78-C-4483

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 .

(1) Special Features of Pressure Tanks

- Dual Regulation. Air pressure and atomizing pressure individually controlled by precision regulators.
- Three-way slide valve permits rapid refilling and color change without readjusting paint regulator.
- Tank heads are of heat treated aluminum alloy which meets ASME specifications for 110 PSI working pressure.
- Air Filter. Each head is supplied with an air filter. Filter prevents particles from damaging finish.
- Head easily positioned on tank. Dual concentric ridges on edge of head permits it to be placed on tank in almost any position.

Control Head

- The lightweight control head is made of a heat treated aluminum alloy. It has the tensile strength of mild steel and is indestructible. The head is held on the tank by means of forged C clamps and wing screws. The wing screws are easily positioned on the control head between continuous concentric grooves around the upper edge. Control assembly consists of two diaphragm regulating valves (one for regulating the spraying pressure and one for control of pressure in container), two air gauges, shut-off valve, safety valve, air filter and three-way slide valve which shuts off air and releases pressure in container in one simple operation.

Air Motored Agitator

- Agitator is powered by an explosion-proof air motor. The motor is operated directly from the main air line on the control head. A needle valve is provided for controlling RPM to provide continuous agitation.

(2) Operation

Adjust right hand regulator (air regulator-pressure on fluid) to apply pressure to container. This is the first regulation of the flow of paint.