TECHNICAL MANUAL

DIRECT SUPPORT MAINTENANCE MANUAL

(INCLUDING REPAIR PARTS AND

SPECIAL TOOLS LIST)

MINE DISPERSING

SUBSYSTEM,

AIRCRAFT: M56
(NSN 1345-00-313-1398)

This copy is a reprint which includes current pages from Changes 1 THROUGH 7.

H E A D Q U A R T E R S , D E P A R T M E N T O F T H E A R M Y
4 APRIL 1977

TECHNICAL MANUAL } *TM 9-1345-201-30&P

No. 9-1345-201-30&P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, *4 April 1977*

Intermediate Direct Support Maintenance Manual
(Including Repair Parts and Special Tools List)
MINE DISPERSING SUBSYSTEM, AIRCRAFT: M56
(NSN 1345-00-313-1398)

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or 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, U.S Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAY-T (D), Dover, New Jersey 07801-5001. A reply will be furnished to you.

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CHAPTER 1
INTRODUCTION

Section I. General

1-1. Scope

a. These instructions are for use by direct support (DS) maintenance personnel. They apply to pre-flight, post-flight, and intermediate services, and maintaining and handling Mine Dispersing Subsystem, Aircraft: M56. This publication contains information on the care, handling, inspection, testing, and maintenance of the materiel. It also contains a repair parts list and a special tools list.

b. The maintenance instructions in this publication are intended for maintenance specialists who have been thoroughly trained in maintenance practices.

c. The lowest maintenance level assigned responsibility to prepare this subsystem for use is the direct support ordnance company (ammunition companies and ammunition sections of designated TOE 29 series supply and service companies). The lowest maintenance level capable of repairing this subsystem and its support equipment is also the DS level (designated TOE 29 series repair companies). When DS repair companies are not available, or when there is more work than can be accomplished by DS personnel in the allotted time, GS or depot personnel will perform the functions specified.

1-2. Forms, Records, and Reports

a. General. Department of the Army maintenance forms and reporting procedures are prescribed in TM 38-750, SB742-1, and AR 700-22. DA Form 3022-R (Army Depot Surveillance Record) (LRA) will be utilized to record inspection results. Accidents involving injury to personnel or damage to materiel will be reported on DA Form 285 (Accident Report) in accordance with AR 385-40. All shipments received in damaged or otherwise unsatisfactory condition because of deficiencies in preservation, packaging, marking, storage, or handling shall be reported on DD Form 6 (Report of Packaging and Handling Deficiencies) in accordance with AR 700-58. Reports of improper shipment or damage caused by transportation discrepancies shall be reported on SF 361 (Discrepancy in Shipment Report (DISREP) in accordance with AR 55-38.

b. Malfunctions Involving Ammunition or Explosives. A malfunction is defined as the failure of an explosive ammunition item to function as expected when fired or launched, or when explosive components function during a non-functional test. Malfunctions do not include accidents and incidents resulting from negligence, malpractice, vehicle accidents, fires, etc. However, malfunctions do include abnormal or premature functions of explosive ammunition items as a result of normal handling, maintenance, storage, transportation, and tactical deployment. Explosive ammunition malfunctions shall be reported in accordance with AR 75-1.

Section II. DESCRIPTION AND DATA

1-3. General

The aircraft mine dispersing subsystem M56 (fig. 1-1) consists of a bomb (mine) dispenser SUU-13D/A and a payload of antitank/antivehicular mines in canisters (fig. 1-2). Power for the mines is supplied by mercury batteries (which are shipped separately). The rectangular-shaped, electrically-fired subsystem is externally installed on UH-1H aircraft (fig. 1-3). A pallet is attached to the underside of the subsystem for handling and safety purposes. Initially, the subsystem is issued completely loaded with mines and is packed one per reusable shipping and storage container CNU-79/E (fig. 1-4). Loaded replacement mine canisters (40 to a container) are shipped and stored in mine canister shipping and storage container M602 (figs. 1-5 and 1-5.1). Both containers are sealed and desiccated.

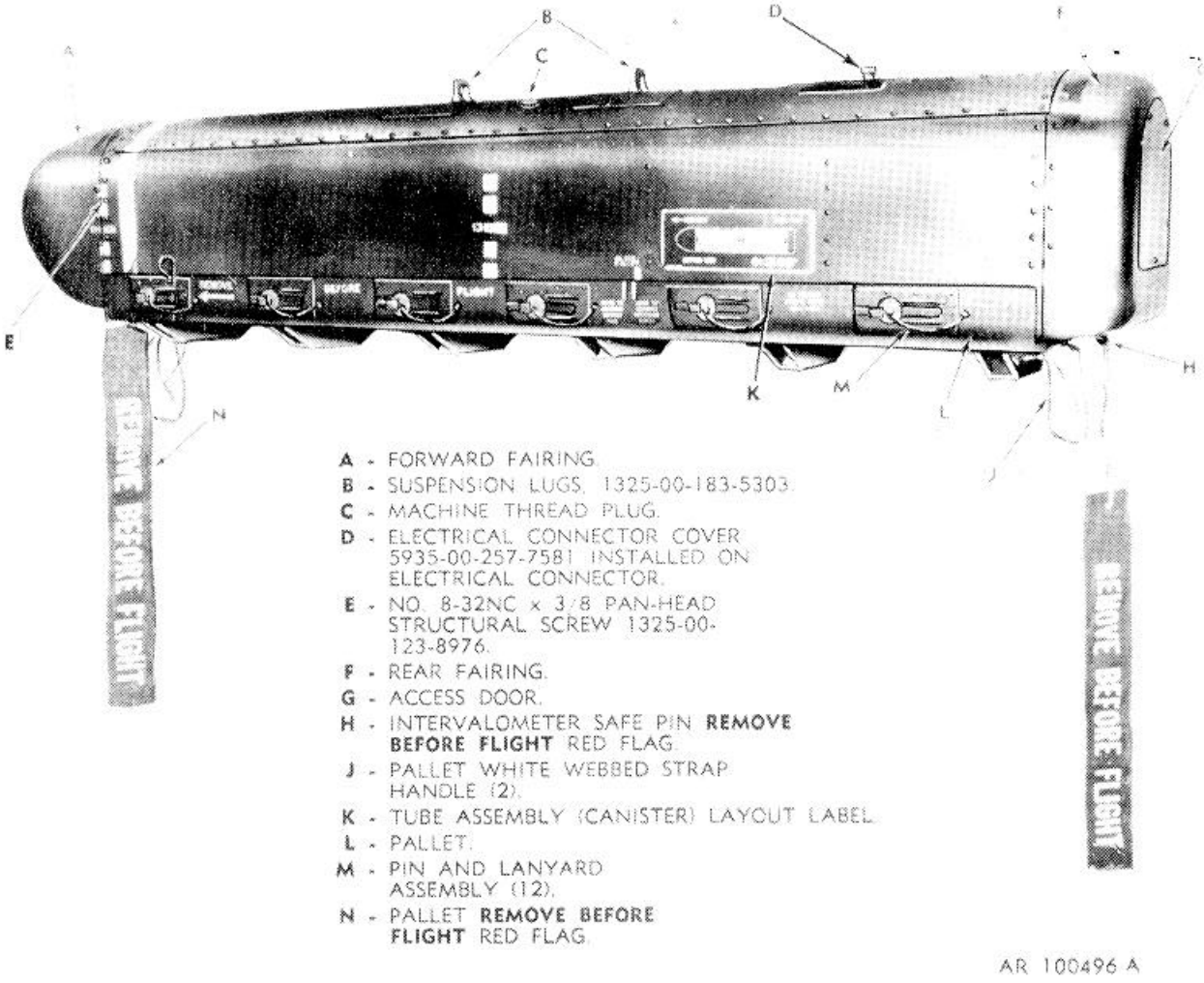

Figure 1-1. Mine dispersing subsystem, aircraft: M56.

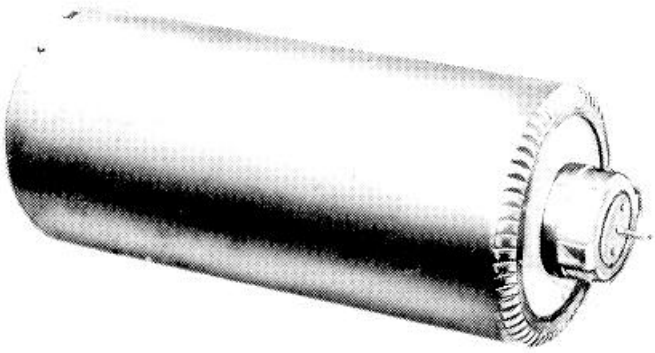

Figure 1-2. Canister assembly.

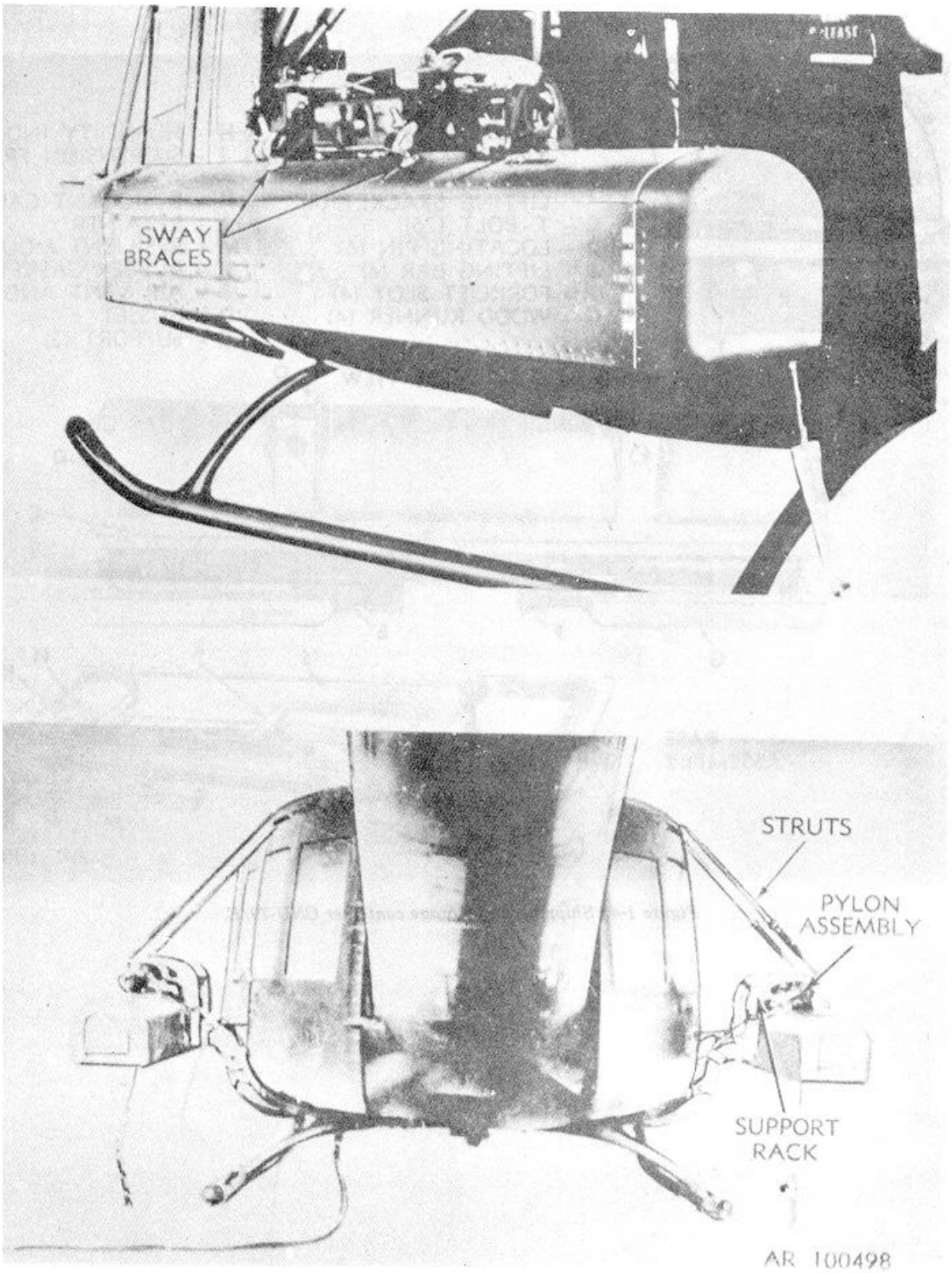

Figure 1-3. Mine dispersing subsystem, aircraft: M56 mounted on UH-1H helicopter (the struts, plyon assembly, pylon support, and support assembly comprise the multi-armament kit).