
TECHNICAL MANUAL

OPERATOR'S
AND ORGANIZATIONAL
MAINTENANCE MANUAL
INCLUDING REPAIR PARTS
AND SPECIAL TOOLS LIST

HIGH ALTITUDE AIRDROP
RESUPPLY SYSTEM:
500 POUND CAPACITY

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HEADQUARTERS, DEPARTMENTS OF THE ARMY
AND AIR FORCE

29 AUGUST 1984

TECHNICAL MANUAL
No. 10-1670-267-12&P

HEADQUARTERS
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
WASHINGTON, D.C., 29 August 1984

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INCLUDING
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR HIGH ALTITUDE AIRDROP RESUPPLY SYSTEM:
500 POUND CAPACITY

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

ARMY

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 Troop Support Command, ATTN: DRSTR-MPS, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished to you.

AIR FORCE

Reports by US Air Force units should be submitted on AFTO Form 22, Technical Order Publication Improvement Report, and forwarded to the address prescribed above for the Army. An information copy of the prepared AFTO Form 22 shall be furnished to SAAMA/MMSTR, Kelly AFB, TX 78241.

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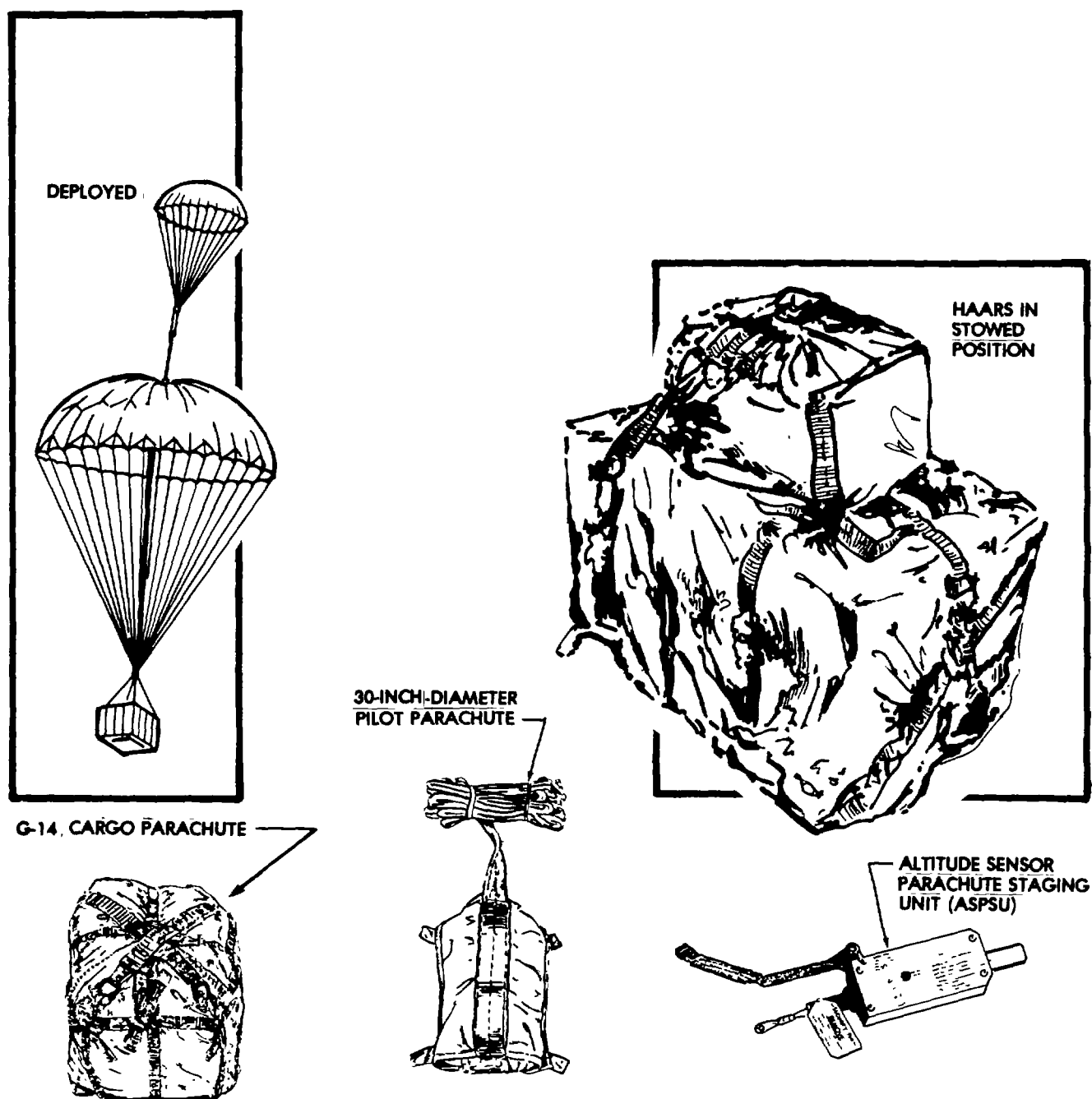
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MAJOR COMPONENT IDENTIFICATION

Figure 1-1. High Altitude Airdrop Resupply System (HAARS): 500 Pound Capacity

CHAPTER 1 INTRODUCTION

SECTION I. GENERAL INFORMATION

1-1. Scope.

Type of Manual: Operator and Organizational

Equipment Name: High Altitude Airdrop Resupply System (HAARS): 500 Pound Capacity

Purpose of Equipment: Provide airdrops from high altitudes to avoid detection of aircraft from enemy ground forces

1-2. Maintenance forms, records, and reports.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pamphlet 738-750, The Army Maintenance Management System (TAMMS).

1-3. Reporting equipment improvement recommendations (EIR's). If your parachute system needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at: Commander, US Army Troop Support Command, ATTN: DRSTR-QX, 4300 Goodfellow Blvd., St. Louis, MO 63120. We'll send you a reply.

1-4. Destruction of Army materiel to prevent enemy use.

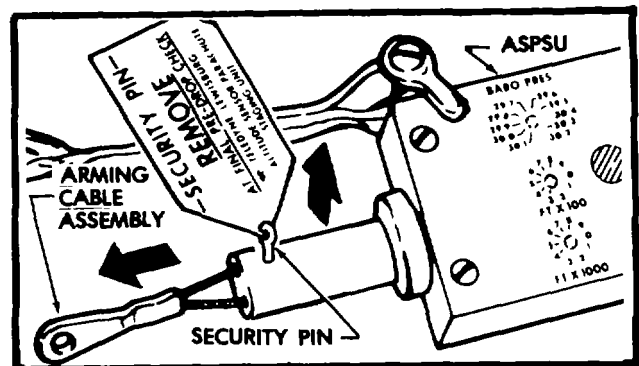
a. Instruction for destruction of the 500 pound High Altitude Airdrop Resupply System are contained in TM 750- 244-1-1/T.O. 13C3-1-10.

b. Instructions for destruction of the cutter module, (cutter), are contained in TM 750-244-5-1 and as follows:

WARNING

Explosive will discharge in 5 seconds.

- Pull out security pin.
- Pull arming cable assembly and get rid of Altitude Sensor Parachute Staging Unit (ASPSU) in an area away from personnel.
- After explosive has discharged, destroy the sensor module by destroying the printed circuit board.



1-5. Preparation for storage or shipment. For storage, refer to TM 740-90-1. Additional requirements are contained in TM 10-1670-201-23 T O. 13C-1-41 Preparations for storage and shipment for the cutter module is contained in TM 9-1370-203-20&P.

1-6. Nomenclature cross-reference list.

Common Name	Official Nomenclature
HAARS 500 Lbs.	High Altitude Airdrop Resupply System
G-14	G-14 34-foot-diameter cargo parachute
30-inch Pilot chute	30-inch-diameter pilot parachute
ASPSU	Altitude Sensor Parachute Staging Unit
A-21	A-21 Aerial Delivery Cargo Bag
Sensor	Sensor module
Cutter	Cutter module

SECTION II. EQUIPMENT DESCRIPTION AND DATA

1-7. Equipment characteristics, capabilities, and features.

CHARACTERICS

Delivers high altitude containers from an aircraft flying at an altitude of 2,000 - 25,000 feet.

CAPABILITIES AND FEATURES

- 500 pound capacity
- All weather operational
- Highly portable
- Components of the system
- - a. G-14 34-foot-diameter cargo parachute
 - b. 30-inch-diameter pilot parachute with 60-inch long static line
 - c. A-21 Aerial Delivery Cargo Bag
 - d. 60-inch-long connector straps (2)
 - e. Altitude Sensor Parachute Staging Unit