

TECHNICAL MANUAL

OPERATOR'S MANUAL

FOR

PARACHUTE PERSONNEL, TYPES
28-FOOT-DIAMETER BACK,
28-FOOT-DIAMETER
CHEST, NB-8 BACK AND
MARTIN-BAKER EJECTION SEAT
HARNESSES

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope.

This manual contains instructions for the use by the operator of personnel type parachutes for emergency purposes while flying in Army aircraft. The various type parachutes covered are the 28Foot Diameter Back, 28-Foot Diameter Chest, and the NB-8 Back. Also covered in the manual is the Martin-Baker Ejection Seat Harness.

1-2. Reporting of Equipment Manual Improvement.

Reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Aviation Systems Command, ATTN: AMSAV-FR, PO Box 209, St. Louis, MO 63166.

Section II. DESCRIPTION AND DATA

1-3. Description.

The 28-foot back (fig. 1-1), 28-foot chest (fig. 1-2), and NB-8 back (fig. 1-3) personnel parachute assemblies are similar in most respects. Each of the three parachutes consists of a flat circular 28foot diameter canopy, a pack assembly, a harness assembly and the canopy is deployed by manual activation of a ripcord. The chest-type parachute differs from either of the back-type parachutes because the pack assembly is located on the front of the harness and is detachable. The 28-foot chest parachute is normally used in aircraft with limited interior room. The only noticeable difference between the 28-foot back and the NB-8 back parachutes is the profile of the pack. The NB-8 pack offers a smaller profile and is more compact than the

standard 28-foot pack. The Martin-Baker Parachute Adjustable Ejection Seat Restraint Harness for OV-1 Aircraft (fig. 1-4) is similar to the 28-Foot Back Type Parachute Harness (fig. 1-1) except that the parachute canopy is contained in the ejection seat and is attached to the harness after the occupant is seated in the aircraft. The accessory attachment rings (fig. 1-4) on the right and left side are used for seat belt attachments. The fitted parachute and ejection seat restraint harness is shown in Fig. 1-5. These harnesses are available in eight different sizes and are fitted to each OV-1 aircrew member which becomes a part of each aircrew member's personal equipment. Fitting instructions are detailed in Chapter 2. A further description of the personnel parachute components is as follows: