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2001 AIRWAY AVENUE
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REPORT NO. PR-369HP-100M

INSTALLATION INSTRUCTIONS

FOR

369HP-100 HARD POINT ASSEMBLY

MD 369 SERIES AND 500N HELICOPTERS

REVISIONS

<u>REV.</u>	<u>DATE</u>	<u>DESCRIPTION</u>	<u>BY</u>
N/C	02/15/91	Original	REB
A	10/25/91	Added the 500N.	REB
B	01/20/00	Added statement concerning deep glovebox. Updated to report to current format.	MR
C	10/18/00	Moved information from this document to the drawing.	

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1.0 INTRODUCTION

The 369HP-100-1 Assembly includes on each 369HP-220-1 and 369HP-220-2 Hard Points. The Hard Point installation is designed as lift and/or jack points. These points are each additionally approved to support a 230 lb. downward load. However, any external load attached to these points must be independently approved. The instructions contained herein are intended to supplement the information contained on the installation drawings.

2.0 INSTALLATION PROCEDURES

- 2.1 Gain access to the cargo compartments under the front floor. Remove battery and cargo liners if installed.
- 2.2 Refer to Installation Drawing 369HP-100. Mark hole center locations, and cut holes through the aircraft skin on each side for lug that extends through the aircraft skin.
- 2.3 Temporarily bolt the 369H-225-22 (forward), and -24 (aft) plates to the hard point assembly using the drawing as a guide for proper orientation. Pencil mark the outline of the hard point on each plate and disassemble.
- 2.4 Place the Hard Point Assembly and plates in aircraft, as shown in drawing. Enlarge the hole in the aircraft skin, if necessary, to allow the indicated clearance around lug.
- 2.5 Assure that the Hard Point Assembly is positioned as low as possible on bulkhead and frame members, and align pencil marks on plates to the hard point assembly. Match drill bulkhead and frame member to exposed holes in plates as indicated. Position 369H-225-21 & -23 plates as shown in drawing and install fasteners to hold plates in place.
- 2.6 Remove hard point assembly and match drill bolt and rivet holes in bulkhead and frame members to remaining holes in doubler plates.
- 2.7 Remove and deburr all parts. Install hard point assembly and plates using hardware as indicated on drawing. Apply a liberal amount of indicated sealant around hard point assembly lug before installation to seal gap between lug and skin. Install 369H-225-25 and/or -26 shims as necessary to fill any gap between the hard point assembly and the 369H-225-22 plate.
- 2.8 Repeat steps 3 through 7 for opposite side.
- 2.9 Replace battery and baggage liners. In some installations, if the aircraft has a deep well glovebox, approximately 1.0" of depth may be required to be removed from the glovebox.