



# SERVICE BULLETIN

DATE: 23 NOVEMBER 1983  
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\*Supersedes Service Information Notice DN-119, dated 15 May 1983

## INSTALLATION OF COLLECTIVE STICK SUPPORT BRACKET REINFORCEMENT STRAP

### 1. PLANNING INFORMATION

#### A. Models Affected:

All 500D Model 369D Series Helicopters.

#### B. Preface:

The information given in this Service Information Notice lists a procedure for installing a collective stick support bracket reinforcement strap to strengthen the support bracket in the area of attachment by providing a secondary load path.

#### C. Time of Compliance:

Shall be accomplished within next 100 hours of helicopter operation, after receipt of parts.

#### D. Reference:

500D Model 369D HMI - Vol. 1, Reissued 15 January 1982, Revision 3, 15 August 1983.

#### E. Weight and Balance Data:

Weight and balance not affected

#### F. FAA Approval:

The resultant alteration to the affected helicopters described, by the installation procedure of this Notice has been shown to comply with the applicable Federal Aviation Regulations and is FAA Approved.

#### G. Part/Supplies:

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Strap Assy	369ASK806-3	1	HHI
Spacer	369ASK806-9	2	HHI
Washer	NAS1197 -416L	AR	Commercial
Washer	NAS1197 -416	AR	Commercial
Bolt	NAS1304-28	2	Commercial
Nut	MS2 1042 -4	2	Commercial

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## H. Tools and Equipment:

TOOLS AND EQUIPMENT	
Nomenclature	Source
Tool, collective bungee installation 369A9936	HHI

## 2. INSTALLATION PROCEDURE

- (1). Remove pilot's seat cover and controls access door. (Refer to Basic HMI - Vol I, Section 2.)
- (2). Install collective bungee installation tool on collective bungee spring. (Refer to Basic HMI - Vol I, Section 7.) Use over-center action of collective stick to load tool.
- (3). Remove nuts, washers and bolts installed through bungee support bracket and controls support bracket assembly. Retain washers and discard bolts and nuts.

**NOTE:** Insulation on some production strap assemblies, PN 369ASK806-3, covers the entire strap. The insulation material must be removed from each end of the strap to one inch inboard prior to installing the strap. To remove this material, cut the unwanted portion from the strap using a plastic knife or similar instrument. Use care when cutting the insulating material. If the strap is scratched or nicked, it must be replaced.

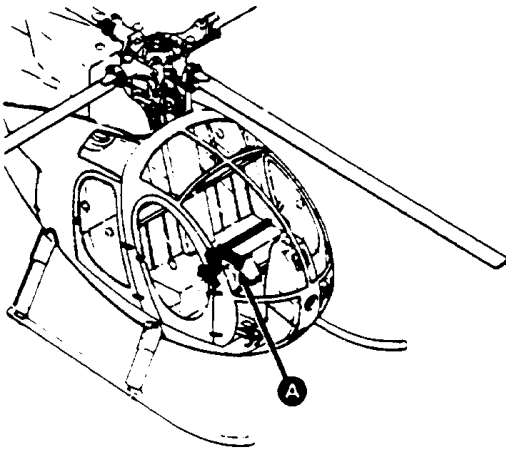
- (4). Install strap with new bolts, washers, spacers, nuts, and retained washers as shown in Figure 1.
- (5). Ensure that strap is tight with bolts torqued by shimming with new washers as required. (See Figure 1.)
- (6). Use over-center action of collective stick to remove load from bungee tool and remove tool from bungee spring. (Refer to basic HMI - Vol I, Section 7.)
- (7). Reinstall pilot's seat cover and controls access door. (Refer to Basic HMI - Vol I, Section 2.)
- (8). Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

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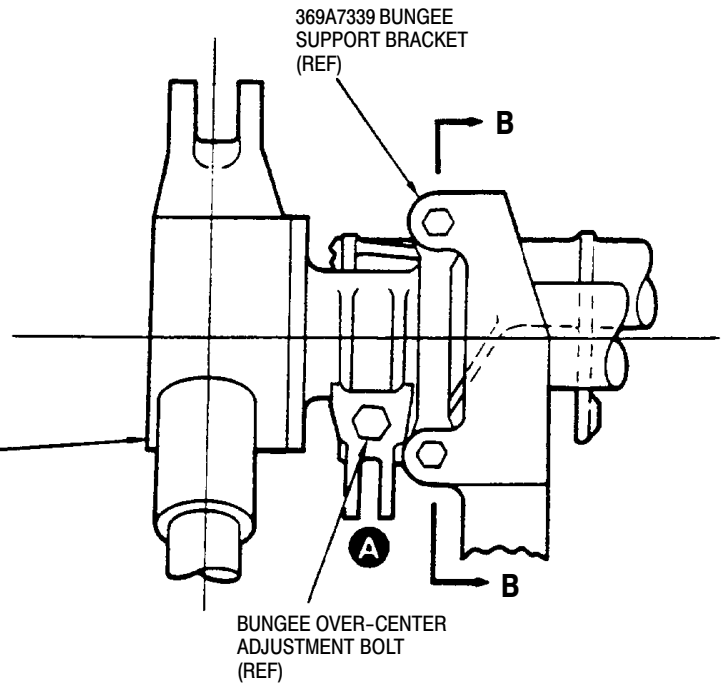
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INBOARD COLLECTIVE  
STICK SOCKET ASSY  
(REF)



NAS1304-28 BOLT  
MS21042-4 NUT

NOTE 1  
NOTE 2

SHIM WITH  
NAS1197-416L WASHER  
NAS1157-416 WASHER  
AS REQD  
FOR SHIMMING

369ASK806-9  
SPACER 2 REQD

NOTE 1

**NOTES:**

1. REINSTALL EXISTING WASHERS UNDER BOLT HEAD AND BETWEEN SPACER AND NUT.
2. EDGE OF BUSHING MUST PROTRUDE MINIMUM 0.010 IN. TO MAXIMUM OF 0.080 IN. ABOVE OUTSIDE SURFACE OF PART AFTER NUT IS TIGHTENED.

VIEW B-B

369ASK806-3  
STRAP ASSY  
(1 REQD)

369H2608  
369A7304  
369D27304  
CONTROLS  
SUPPORT  
BRACKET  
ASSY

369A7339  
(REF)

88-564A

**Figure 1. Installation of Collective Stick Support Bracket Reinforcement Strap**