



SERVICE BULLETIN

DATE: 24 DECEMBER 1976
PAGE 1 OF 4

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///

INSPECTION OF 369A2001-601 SHOCK-MOUNTED STABILIZER STRUT ASSEMBLY AND POSSIBLE REPLACEMENT OF 369A2130 DAMPER PLUNGER

1. PLANNING INFORMATION:

A. Models Affected:

The following helicopters equipped with subject 369A2001-Shock-Mounted Stabilizer Strut Assembly:*

- 369H Helicopter Serial No. 0001H thru 0005H
- 369HS Helicopter Serial No. 0001S thru 0773S; 0775S; 0778S thru 0803S; 0806S; 0815S; 0816S
- 369HE Helicopter Serial No. 0101 E thru 0215E
- 369HM Helicopter Serial No. 0001 thru 0004; 0005M thru. 0292M

All subject 369A2001-601 Shock-Mounted Stabilizer Strut Assemblies in Spares Inventory

All subject 369A2130 Damper Plungers in Spares Inventory

Factory installed on 369HS Helicopter Serial No. 0369S and 369HM Helicopter Serial No. 0220M and subs. Optional installation on all other helicopters.

B. Time of Compliance:

Part I - PLUNGER INSPECTION - Shall be accomplished within next 25 hours of helicopter operation.

Part II - PLUNGER REPLACEMENT - Shall be accomplished, if required, within 100 hours helicopter operation.

C. Preface:

Part I of this Service Information Notice lists a procedure for a one-time inspection of the shock-mounted stabilizer strut assembly, to determine if replacement of the 369A2130 damper plunger is required.

Part IX of this Notice provides instructions for replacements, if required, of the 369A2130 damper plunger. The replacement plunger, PN 369A2130 or 369A2130-3, will be provided without cost by Hughes Helicopters. It is noted that the 369A2130 damper plunger is secured at the end fitting with a tab washer and check nut. The 369A2130-3 plunger, which has a non-slotted shift, is secured with a check nut safetywired to the end fitting. Dimensions for drilling (or relocating, as applicable) a safetywire hole in the end fitting are provided for the -3 plunger installation.

Instructions for optional field modification of existing 369A2001 fixed stabilizer strut assemblies to the shock-mounted strut configuration are provided in Hughes Notice No. HN-42. The damped strut is designed to decrease vibrations effects on the horizontal stabilizer resulting from a tail rotor out- of-balance condition.

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///

DATE: 24 DECEMBER 1976

PAGE 2 OF 4

SERVICE BULLETIN

/// MANDATORY /// MANDATORY /// MANDATORY ///

D. Weight and Balance:

Weight and balance not affected.

E. Reference Publications:

500 Series - Basic HMI, Issued 1 October 1972: Revision No. 6, 1 November 1976 Hughes Service Information Notice No. HN-42, dated 17 December 1971

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Damper plunger	369A2130	1	HH
Tab washer or Damper plunger	NAS460-416 369A2130-3	1 1	HH or Commercial HH
Check nut	NAS509-4	1	HH or Commercial
Lockwire	MS20995C32	A/R	Commercial

TOOLS AND EQUIPMENT	
Nomenclature	Source
Drill Motor, portable	Commercial
Drill bit - 0.045/0.050 in. diameter	Commercial

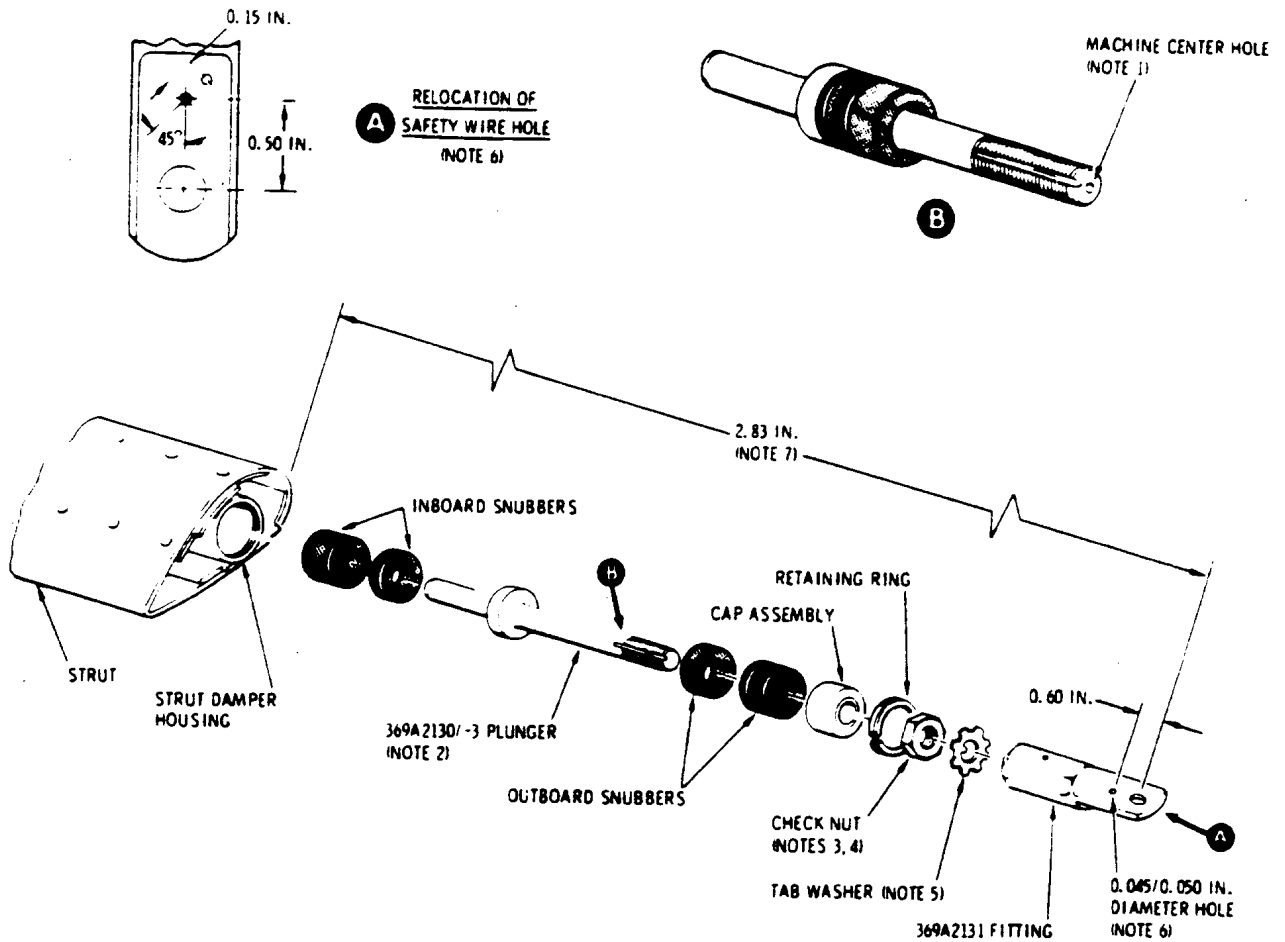
2. PROCEDURE /PART I - DAMPER PLUNGER INSPECTION

- (1). Remove, disassemble and inspect damped stabilizer strut, per Basic HMI.
- (2). Visually inspect damper plunger shaft to determine if machine center hole exists at threaded end of shaft/t. (See Figure 1.)

SERVICE BULLETIN

DATE: 24 DECEMBER 1976
PAGE 3 OF 4

MANDATORY **MANDATORY** **MANDATORY**



NOTES:

1. DENOTES NON-ROLLED THREADED PART: INSTALL NEW 369A2130 OR 369A2130-3 DAMPER PLUNGER.
2. 369A2130 AND 369A2130-3 PLUNGERS IDENTICAL, EXCEPT -3 PLUNGER DOES NOT HAVE SLOT IN SHAFT.
3. AN316-4R CHECK NUT USED WITH TAB WASHER AND 369A2130 PLUNGER; NAS509-4 CHECK NUT (SAFETYWIRED) USED WITH 369A2130-3 PLUNGER.
4. SAFETYWIRE NAS509-4 CHECK NUT TO END FITTING AFTER INSTALLED PRELOAD IS ESTABLISHED.
5. NAS460-416 TAB WASHER USED WITH 369A2130 PLUNGER; BEND TAB AFTER INSTALLED PRELOAD IS ESTABLISHED.
6. SAFETYWIRE HOLE REQUIRED WITH NAS509-4 CHECK NUT ONLY: RELOCATE EXISTING HOLE AS REQUIRED.
7. NOMINAL ASSEMBLED DIMENSION.

88-187A

Figure 1. Strut Damper Disassembly and Inspection

MANDATORY **MANDATORY** **MANDATORY**

DATE: 24 DECEMBER 1976

PAGE 4 OF 4

SERVICE BULLETIN

/// MANDATORY ///



If machine center hole is noted at threaded end of shaft:

1. Contact your HH Service Center or Distributor within 10 days, for replacement 369A2130 or 369A2130-3 damper plunger to be installed per Part II of this Notice.
2. Dye penetrant damper plunger for cracks, if plunger is to be reinstalled on helicopter. Scrap plunger if any cracking is noted.

- (3). Reassemble and inspect damped stabilizer strut, per Basic HMI.
- (4). Record compliance with Part I of this Service Information Notice in Compliance Record of helicopter Log Book.

3. PART II – DAMPER PLUNGER REPLACEMENT

- (1). Remove, disassemble and inspect damper plunger, per Basic HMI.
- (2). Reassemble and reinstall damped stabilizer strut, per Basic HMI, using replacement 369A2130 or 369A2130-3 damper plunger.

NOTE: 1. If 369A2130 plunger is installed, secure at end fitting with NAS460-416 tab washer and existing AN316-4R check nut.

2. If 369A2130-3 plunger is installed, secure at end fitting with NAS509-4 check nut safetywired to 369A2131 end fitting. See Figure 1 dimensions for drilling safetywire hole in end fitting. As applicable, relocate existing safetywire hole, per Detail A.

3. As applicable, bend tab washer or safetywire check nut after installed preload is established.

- (3). Record compliance with Part II of this Service Information Notice in Compliance Record of helicopter Log Book.

/// MANDATORY ///