



# SERVICE BULLETIN

DATE: 15 FEBRUARY 1979  
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**SUBJECT:** PN 369H7825 DROOP CONTROL BELLCRANK ASSEMBLY (STATION 68.0) - RELOCATION OF LOCKNUT AND INSTALLATION OF SPACER\*

**MODELS AFFECTED:** 500D Model 369D Helicopter Serial No. 0003D thru 0529D

**TIME OF COMPLIANCE:** Shall be accomplished within next 300 hours of helicopter operation or at next Annual Inspection, whichever is sooner.

**PREFACE:** The information given in this Service Information Notice lists instructions for installing the existing droop compensation adjustment locknut on the PN 369A7717-3 extension at a new location above the PN 369A7716 (magnesium) or PN 369N2606 (aluminum) arm assembly. Relocation of the locknut precludes loosening and/or loss of the locknut during helicopter operation.

Instructions are also provided for rework of the arm assembly to provide a fiat interface with a new spacer installed between the locknut and arm assembly.

\*It is to be noted that PN 369H7825-11 droop control bellcrank assemblies are NOT affected by this Notice.

**REFERENCE PUBLICATIONS:**

500D Basic HMI – Volume I, Issued 15 September 1976; Revision No. 2, 27 November 1978

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PARTS LIST			
Nomenclature	Part No.	Qty.	Source
Spacer	NAS42DD10-10	1	Commercial

## TOOLS & EQUIPMENT

Spotface tool - 0.687 in. dia with 0.030 corner radius and threaded (5/16-24 UNF-3A) stud and female pilot

## MATERIALS

Surface treatment	MIL-M-3171, Type III	Dow 7 (anodize)	Dow Corning
	or	MIL-M-45202, Type III	Dow 17 (dichromate treat)
Primer, zinc chromate	MIL-P8585		Commercial

## PROCEDURE

- Remove pilots floor access panels (Section 2, Basic HMI - Vol I) and control covers (Section 4, Basic HMI - Vol I) to gain access to underseat linkage for power turbine governor controls.
- Remove PN 369A7717-3 extension from droop control override link and Station 68.0 bellcrank. (Section 11, Basic HMI - Vol I).

### NOTE

Spotface thru radius of arm only. DO NOT spotface below flat surface of arm around circumference of insert in arm.

- Spotface PN 369A7716 or 369N2606 arm assembly, as shown in figure 1.

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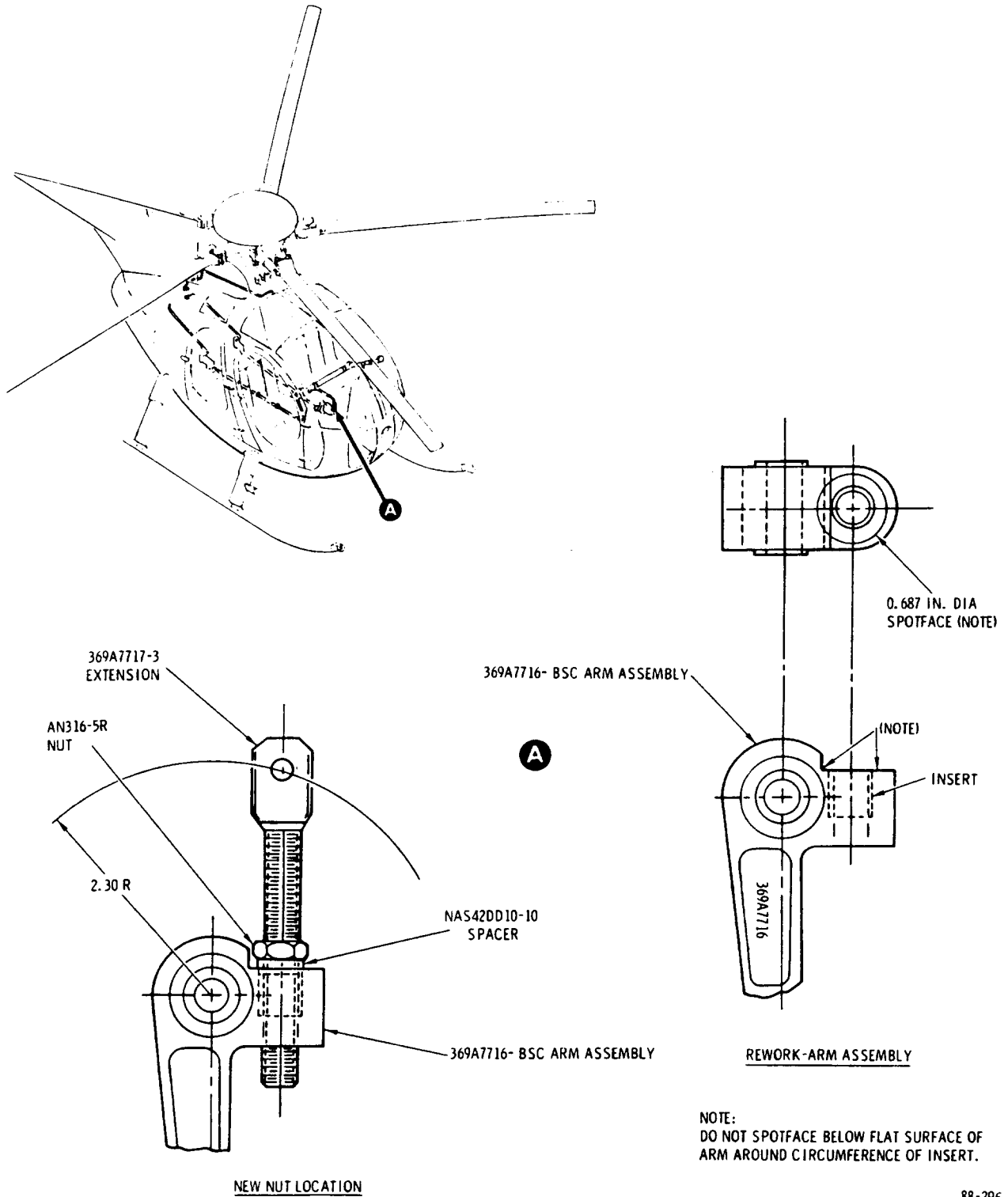


Figure 1. Relocation of Locknut - Station 68.0 Bellcrank Assembly

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- d. Touch up reworked surface of arm with Dow 7 or Dow 17 chemical treatment. Apply zinc chromate primer to reworked area.
- e. Install existing locknut and new NAS42DD10-10 spacer on -3 extension; reinstall extension. (See Figure 1.)
- f. Perform rigging of power turbine governor controls, per Basic HMI - Vol I.
- g. Reinstall control covers and floor access panels.
- h. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

**WEIGHT AND BALANCE:** Weight and balance not affected.

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## REFERENCE SHEET

### SERVICE INFORMATION NOTICES AND LETTERS

#### Action Reference:

When performing maintenance or replacement of power turbine governor controls, refer to Service Information Notice No. DN-42.

#### HMI Reference:

Insert this sheet in 369D Series, Basic HMI -Volume I, Section 11, Page 11 - 11.

This reference sheet shall be kept as a part of the manual until data is incorporated at the next revision of the HMI - Volume I. (See Service Information Summary, HMI - Volume I, Page i.)

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