



SERVICE BULLETIN

DATE: 15 MAY 1981

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REPLACEMENT OF PN 369A7706-3 RPM GOVERNOR LEVER ROD

1. PLANNING INFORMATION

A. MODELS AFFECTED:

All 500C Model 369H Series Helicopters

B. PREFACE:

The information given in this Service Information Notice lists a procedure for replacing PN 369A7706-3 control rod. Field reports indicate malfunctions of the RPM governor control linkage have occurred due to engine vibration during the helicopter operation, therefore, the subject aluminum rod will be replaced by a new steel control rod.

C. TIME OF COMPLIANCE:

Order parts immediately on receipt of this Notice and accomplish no later than 30 days after receipt of same.

D. FAA APPROVAL:

FAA/DER APPROVED 18 May 1981

E. WEIGHT AND BALANCE:

Weight and balance not affected

F. REFERENCE:

500 Model 369H Series Basic HMI, Issued 1 October 1972; Revision No. 1 December 1980.

G. PARTS LIST:

PARTS LIST			
Nomenclature	Part No.	Qty.	Source
Rod	369A7706- 5	1	HH

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2. PROCEDURE

- a. Open left engine access door to gain access to upper linkage. of RPM governor controls. (Refer to Section 2 of Basic HMI.)
- b. Remove RPM governor lever control rod assembly per paragraph 11 - 18 of Basic HMI.
- c. Loosen jam nuts on control rod assembly. Remove rod end bearings and jam nuts from rod. Discard rod. (See Figure 1.)
- d. Install jam nuts and rod end bearings on new steel rod. (See Figure 1.)
- e. Reinstall RPM governor lever control rod assembly per paragraph 11-18 of Basic HMI.
- f. Rig RPM governor lever controls per paragraph 11-9a or 11-9b of Basic HMI.
- g. Perform final check and adjustment of power controls per paragraph 11-9c of Basic
- h. Close left engine access door.
- i. Perform deceleration check as follows:

NOTE: Perform deceleration check during engine shutdown.

1. Deceleration check (Bendix fuel control system)

- (a) Set generator (GEN) switch to OFF position.
- (b) Set THROTTLE OPEN grip to FULL OPEN.
- (c) Set pilot's collective control stick FULL DOWN, FRICTION ON.
- (d) Stabilize N₂ at exactly 103% (beep as required).
- (e) Set THROTTLE OPEN grip to IDLE.
- (f) Begin time check with stop watch. Stop time as N₂ passes through 65%. Observe elapsed time. Minimum allowable lapsed time is two seconds.

NOTE: Practice or retakes may be required before proficiency can be obtained in deceleration timing.

- (g) If deceleration time is less than two seconds, make two more checks to confirm time. If confirmed deceleration time is less than the allowable minimum, refer to the applicable Allison Operation and Maintenance Manual.

2. Deceleration check (CECO fuel control system).

- (a) Set generator (GEN) switch to OFF.
- (b) Set THROTTLE OPEN grip to FULL OPEN.
- (c) Set pilot's collective control stick FULL DOWN, FRICTION ON.
- (d) Stabilize N₂ at exactly 103% (beep as required).
- (e) Set THROTTLE OPEN grip to IDLE.

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(f) Begin time check with stop watch. Stop time as N₂ passes through 65%.
Observe elapsed time. Minimum – allowable lapsed time is two seconds.

NOTE: Practice or retake may be required before proficiency can be obtained in deceleration timing.

(g) If deceleration time is less than two seconds, make two more checks to confirm time. If confirmed deceleration less than the allowable minimum, refer to the applicable Allison Operation and Maintenance Manual.

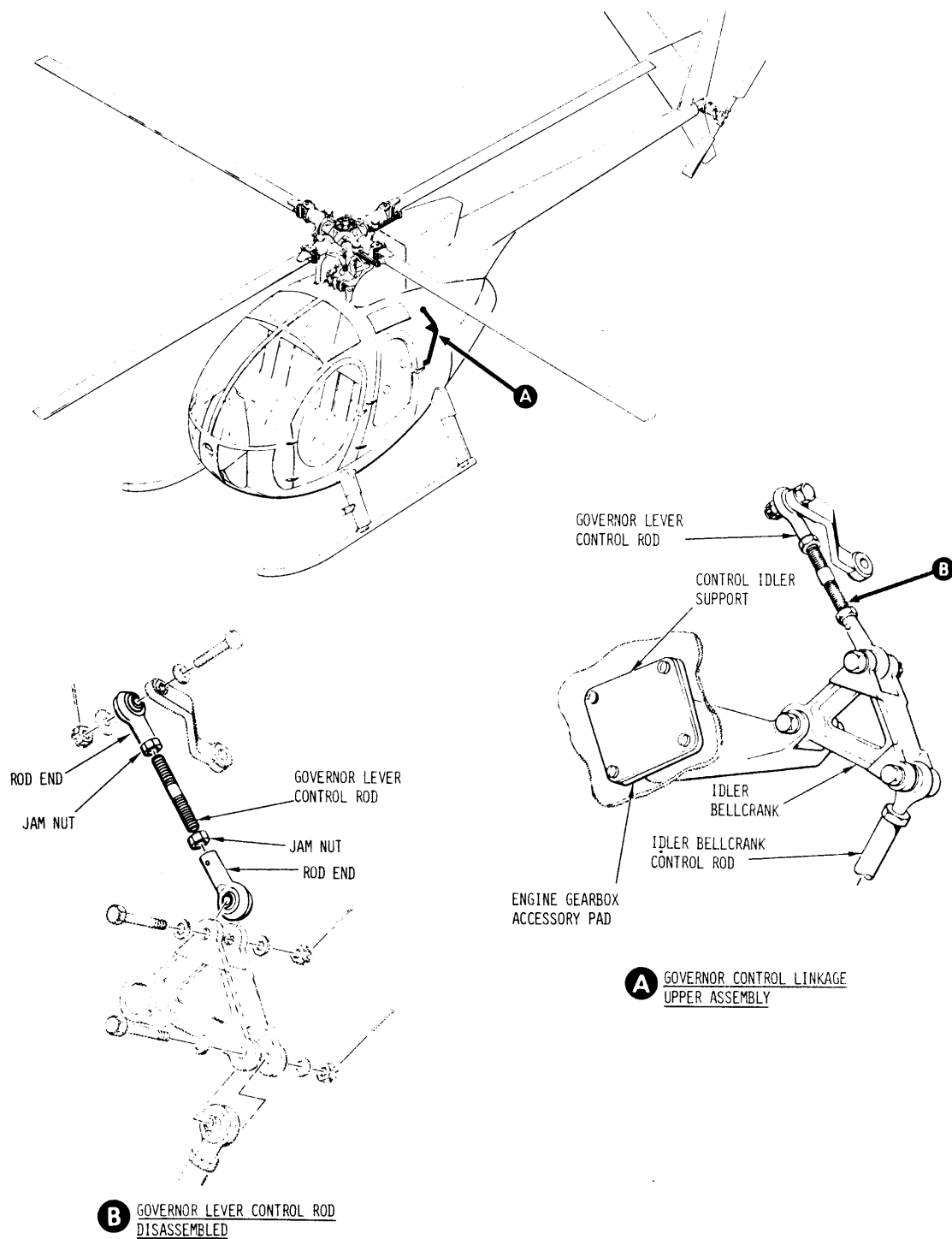
j. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

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Figure 1. Installation of Governor Lever Control Rod

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