



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-87.2*
DATE March 25, 1975
PAGE 1 OF 5

*Supersedes Service Notice
No. N-87.1, dated April 26, 1971

FAA APPROVED

MANDATORY

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SUBJECT: INSTALLATION - PITCH CONTROL LINKS, LOW TIP
SPEED TAIL ROTOR ASSEMBLY (KIT NO. M10067)

MODELS AFFECTED: The following helicopters equipped with 269A6034
Low Tip Speed Tail Rotor Assembly:

269A Helicopter Serial Nos. 0011 through 1109
269A-1 Helicopter Serial Nos. 0001 through 0041
269B Helicopter Serial Nos. 0001 through 0457
269C Helicopter Serial Nos. 0004 through 0083

TIME OF COMPLIANCE: Shall be accomplished at next 100 hour periodic inspection.

PREFACE: The information given in this Service Information Notice lists a
procedure for removal of existing 269A6091 tail rotor pitch control
links from the above affected helicopters and replacement with new
269A6091-5 pitch control links. The -5 link incorporates new type
bearings which provide additional link clearance at high pitch settings.
Instructions for replacement of bushings in the pitch control arms to
accommodate the new pitch link bearings are also included.

The M10067 kit is to be installed to preclude possible interference
occurring from improper rigging and sudden or heavy rudder pedal
applications.

Reference

269 Series - Basic Handbook of Maintenance Instructions, Issued 1 April 1973,
Revision #2 1 January 1974

(I) Denotes portion of text added or revised

NOTICE NO. N-87.2*
DATE: March 25, 1975
PAGE: 2 of 5

PARTS LIST

<u>Nomenclature</u>	<u>Part Number</u>	<u>Quantity</u>
Kit - Tail Rotor Pitch Link Assy. Consists of the following:	M10067	1
Link Assembly	269A6091-5	2
Bushing	269A6059-3	2
Washer	269A6095-9	2
Bolt	NAS464P4-19	2
*Stop	369A1809	1
*Spacer	369A1812-3	1
Pin, cotter	MS24665-151	1
Washer, tank	HS1551-275	1
* Optional		

MATERIALS

Primer, zinc chromate	W. P. Fuller Co. or equivalent
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TOOLS AND EQUIPMENT

Wrench, torque	Commercial
Bushing - 0.257 ID x 0.360 OD x 4.50 Lgth	Field Fabricate
Bushing - 0.50 ID x 0.75 OD x 0.70 Lgth	Field Fabricate
Bolt - 0.25 Dia x 1.75 Lgth (Threaded 1.30 from end)	Commercial
Washer - 0.25 ID x 0.75 OD x 0.06 Thick	Commercial
Washer - 0.25 ID x 0.50 OD x 0.06 Thick	Commercial

PROCEDURE

- a. Remove tail rotor assembly, per Section 9 of Basic HMI.
- b. Disconnect ends of pitch control links at swashplate and at pitch control arms. Identify and retain dished washers and nuts for reinstallation in original location.

NOTE

Replacement of bushing in pitch control arms per step c. below not required for 269A6035-19 tail rotor blade assembly.

- c. Replace existing 269A6059 bushing in each pitch control arm as follows:
 1. Assemble bolt, bushings, washer and nut on pitch control arm, as shown in Figure 1; tighten bolt to remove 269A6059 bushing from arm.
 2. Assemble bolt, washer, new 269A6059-3 bushing, washer and nut, as shown in Figure 1; tighten nut to seat bushing in arm. Install bushing with wet zinc chromate primer.
 3. For 269A/A-1/B helicopters, re-identify 269A6035 tail rotor blade assembly as 269A6035-17.
 4. For 269C helicopter, re-identify 269A6035-9 tail rotor blade assembly as 269A6035-19.
 5. Record applicable new tail rotor blade assembly part number in Component Record of helicopter Log Book.
- d. Install new 269A6091-5 link assembly between lugs of swashplate.
- e. Install existing bolt, two washers and nut; torque nut to 50 to 80 inch-pounds and install new cotter pin.
- f. Pull pitch control assembly inboard or outboard as required to align pitch control link bearing with pitch control arm bushing.
- g. Place existing spring tension washer on bolt so that concave (dished) surface is against bolt head; install new 269A6095-9 washer on bolt and insert bolt through bearing of pitch control link and bushing in pitch control arm.

NOTICE NO. N-87.2*
 DATE: March 25, 1975
 PAGE: 4 of 5

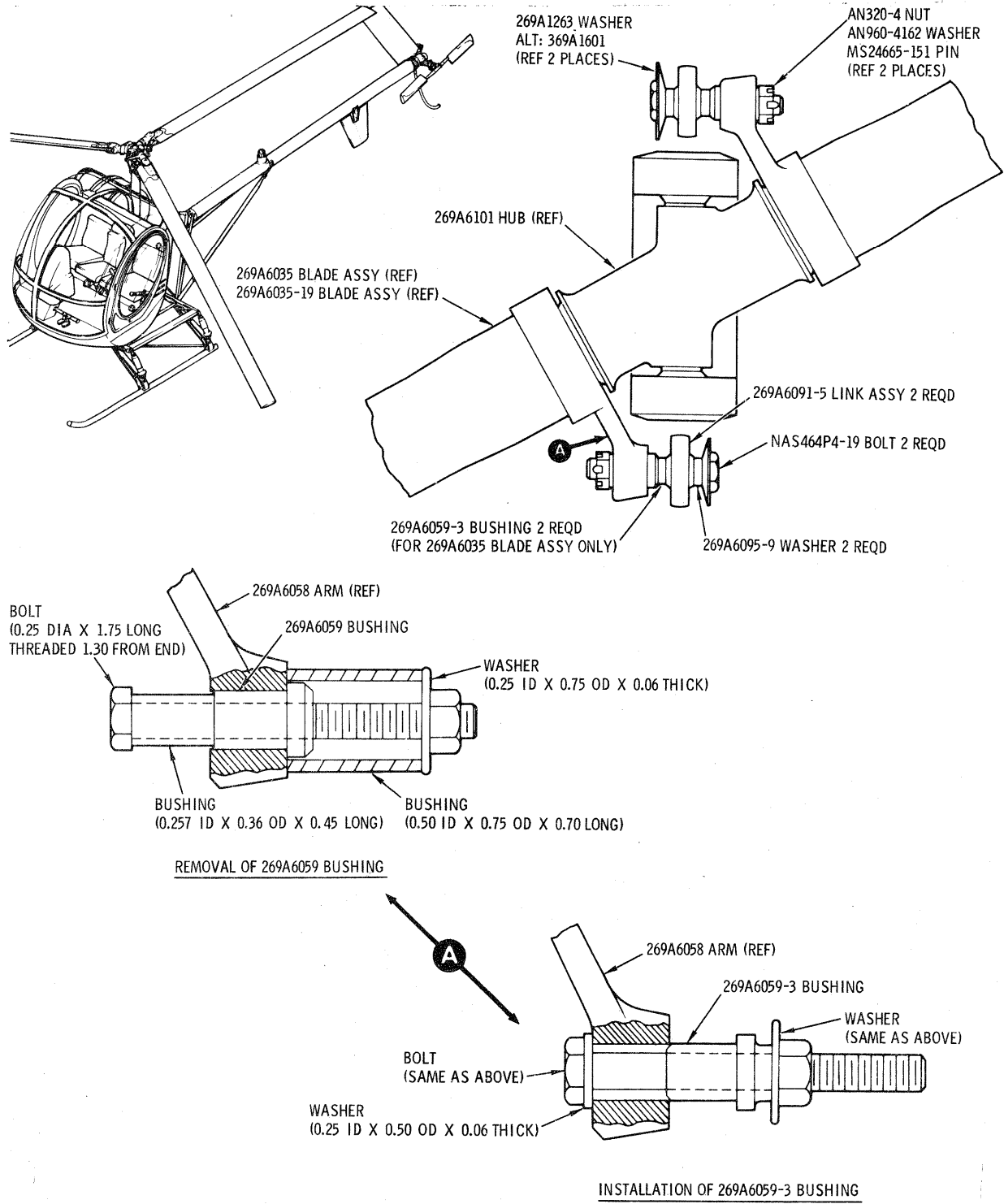


Figure 1. Replacement - Tail Rotor (LTS) Pitch Link Assemblies (Kit No. M10067)

- h. Install existing washer and nut.
- i. Torque nut to 50 to 80 inch-pounds and install new cotter pin.
- j. Repeat steps d. through i. for remaining link assembly.
- k. Reinstall tail rotor assembly, per Section 9 of Basic HMI. Replace existing bumper, if worn, with 369A1812-3 spacer and 369A1809 stop.
- l. Check installation of pitch link assemblies for discrepancies; check tail rotor controls for full travel and freedom of movement.
- m. Check tail rotor balance; adjust tail rotor balance, as required, per Section 9 of Basic HMI.

WEIGHT AND BALANCE DATA

Weight and balance not affected.