



# SCHWEIZER SERVICE NOTICE

NOTICE NO. N-203

DATE: 19 Nov 1986

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MANDATORY

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SUBJECT: VISUAL CHECK TO ENSURE THAT PROPER THRUST BEARING TUBE IS INSTALLED

MODELS AFFECTED: All 269 Series helicopters.

TIME OF COMPLIANCE: Shall be accomplished at each installation of main rotor hub assembly.

REFERENCE: 269 Series - Basic HMI, Reissued 15 March 1982.

PREFACE: Field reports indicate that improper thrust bearing tubes have been installed during the installation of main rotor drive shaft and thrust bearing (Basic HMI, Section 10). The information provided in this Service Information Notice lists instructions to check for a gap between the thrust bearing nut and scissors support. A gap between these parts is substantial evidence to conclude that the proper tube was installed.

### TOOLS AND EQUIPMENT

NOMENCLATURE	PART NO.	HELICOPTER MODEL
Bearing Nut Wrench	269A9228	269A, TH-55A, 269A-1, and 269B
Bearing Nut Wrench	269A9312	269C

### PROCEDURE

- a. Following installation of main rotor hub assembly (Basic HMI, Section 8), check for a gap between thrust bearing nut and scissors support as follows:
  - (1) Slide upper dust boot off from scissors support.
  - (2) Force boot downward to gain visual access.
  - (3) Determine that a gap (approximately 1/8 inch) exists between thrust bearing nut and scissors support. (See Figure 1.)

- b. If no gap exists, remove thrust bearing tube as follows:
- (1) Remove main rotor hub and swashplate assembly (Basic HMI, Section 8).
  - (2) Bend eight tangs on thrust bearing nut lockwasher to clear thrust bearing nut and mast assembly.
  - (3) Remove thrust bearing nut using bearing nut wrench and a 30-inch extension arm.
  - (4) Remove thrust bearing tube.
  - (5) Check part number of thrust bearing tube against those listed in 269 Series IPC.
  - (6) Reinstall main rotor components using proper thrust bearing tube. (Refer to HMI Temporary Revision No. R-3.)
- c. Reinstall upper dust boot.

**WEIGHT AND BALANCE DATA**

Weight and balance not affected.

The procedures and information provided by this Service Information Notice has been shown to comply with applicable Federal Aviation Regulations and is FAA approved.

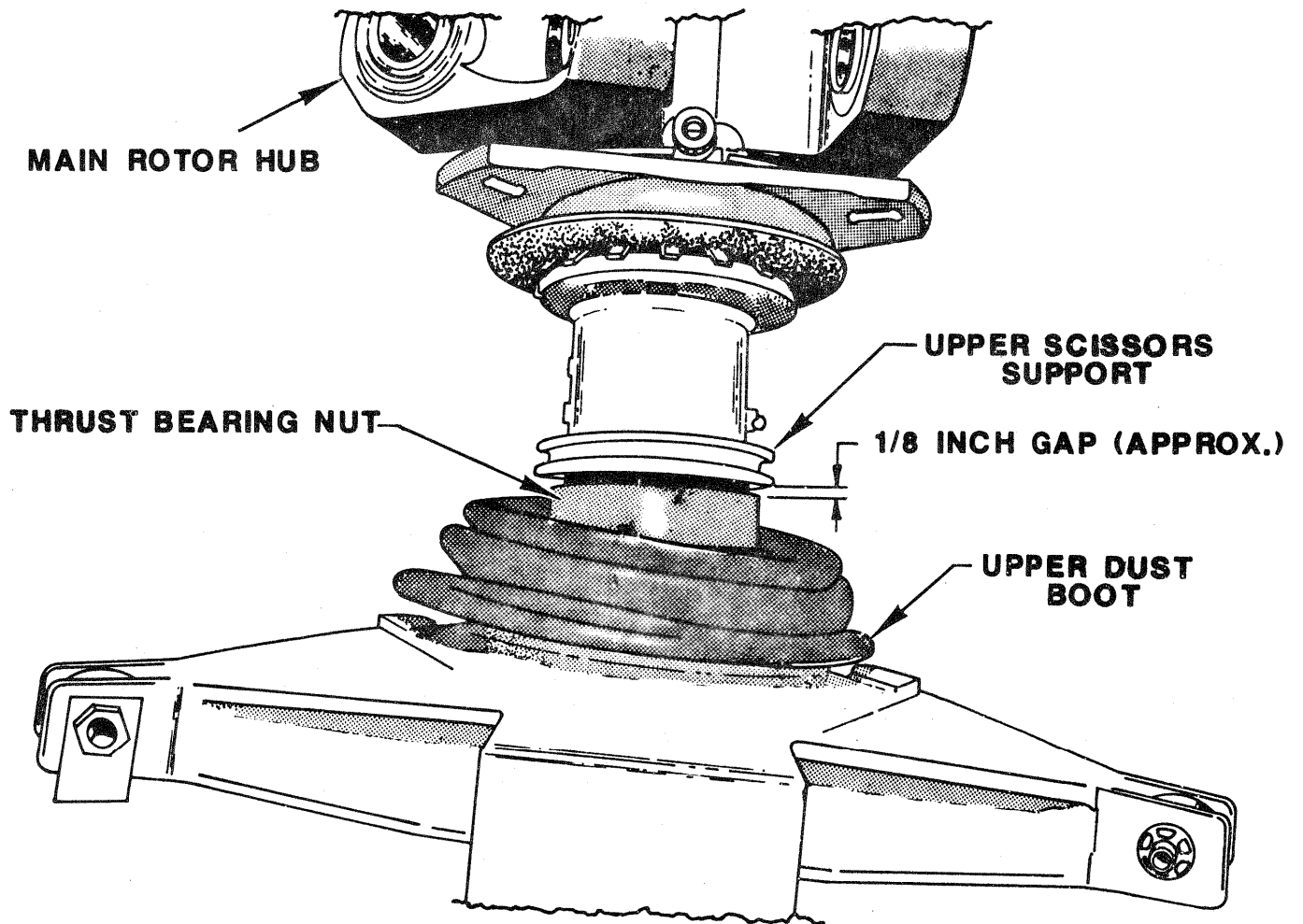


FIGURE 1.



REFERENCE SHEET

SERVICE INFORMATION NOTICES AND LETTERS

ACTION REFERENCE: When performing maintenance to the main rotor system, refer to Service Information Notice No. N-203.

HMI REFERENCE: Insert this sheet in 269 Series Basic HMI, Section 8, page 8-40B.

This reference shall be kept as part of the manual until the data is incorporated at the next revision of 269 Series Basic HMI. (See Service Information Summary, page i of the Basic HMI.)

