



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-209

DATE: 9 April 1987

PAGE 1 of 3

MANDATORY

MANDATORY

MANDATORY

SUBJECT: ONE TIME INSPECTION OF BELT DRIVE UPPER PULLEY ASSEMBLY.

MODELS AFFECTED: All Model 269C Helicopters having a serial number of 1166 to 1259.

TIME OF COMPLIANCE: Shall be accomplished at next 100 hour inspection, or next three months, whichever occurs first.

REFERENCE: 269 Series - Basic HMI, Reissued 15 March 1982
269 Series - HMI Appendix B, Reissued 15 August 1982

PREFACE: A possibility exists that the forward and aft end caps installed on the affected upper pulley assemblies (those installed on the affected helicopters) may be equipped with retainers (FWD and AFT) which were installed backwards. This condition could lead to an inadequate oil supply to the upper pulley bearings, which may cause the bearings to wear out prematurely. This Service Information Notice lists instructions to remove, disassemble, and check the upper pulley assembly. Upper pulley caps which have the retainers installed backwards, must be disassembled and inspected as specified in the below procedure.

PROCEDURE

- a. Remove belt drive transmission from helicopter (Basic HMI, para. 10-37).
- b. Remove upper pulley assembly from belt drive transmission.
- c. Remove upper pulley end caps and check retainers as follows:
 - (1) Remove FWD and AFT end caps in accordance with Basic HMI, Paragraph 10-62.

NOTE

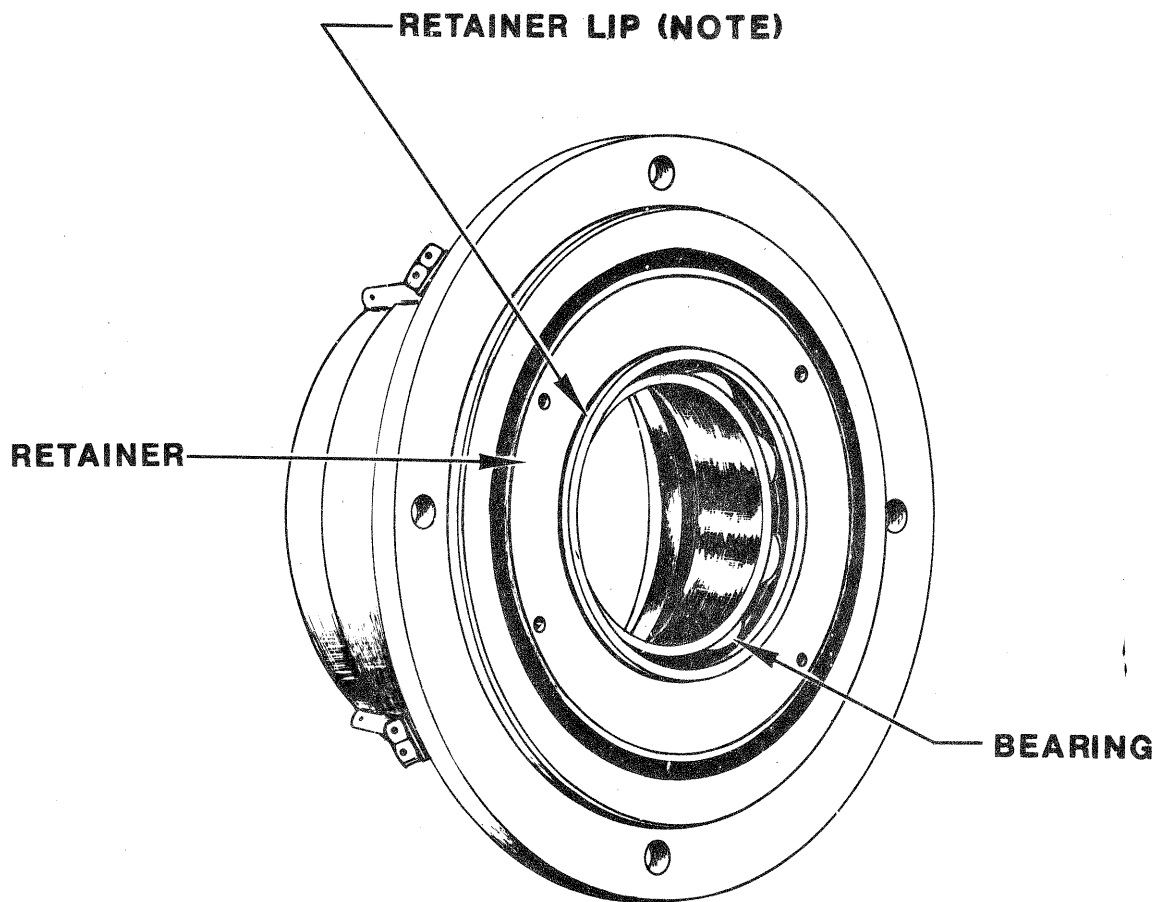
The retainers installed in the pulley end caps should be positioned so that the retainer lip is away from bearing (Figure 1). Some retainers may have been incorrectly installed in such a manner that the lip is in towards the bearing.

- (2) Check position of retainer in cap. (Refer to Figure 1.)
- d. If retainers are incorrectly installed, proceed as follows:
 - (1) Press bearings from caps. (Retainers are pressed out with bearing.)
 - (2) Inspect bearings for evidence of looseness, wear, roughness, corrosion, brinelling, skewing, and cracks. Replace bearing if any damage is found.

- (3) Inspect metal portions of closure (OD) for galling, pitting, corrosion, and discoloration. Inspect rubber portions of closure (ID) for cracking, fraying, chips, and deterioration. Replace closure if damage is evident.
- e. Reassemble upper pulley assembly (Basic HMI, para. 10-63). Be sure to install retainers as shown in Figure 1.
- f. Reinstall upper pulley assembly on belt drive transmission. Install V-belts in pulley grooves.
- g. Install belt drive transmission (Basic HMI, para. 10-42).
- h. Check installation for defects.
- i. Record compliance with Service Information Notice in Compliance Section of Helicopter Log Book.

WEIGHT AND BALANCE DATA

Weight and balance not affected.



**NOTE: ENSURE THAT RETAINER LIP FACES OUTWARD,
AWAY FROM BEARING.**

FIGURE 1. UPPER PULLEY END CAP

