



# SCHWEIZER SERVICE BULLETIN

B-271.1\*  
14 Oct 1999

MANDATORY

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SUBJECT: TAIL ROTOR SWASHPLATE SHAFT INSPECTION

MODELS AFFECTED:

- Any Model 269A, TH-55A, 269A-1, 269B or 269C Helicopter equipped with a 269A6049-3 tail rotor swashplate assembly shipped from the factory as a spare between 01 Sep 1998 and 01 Dec 1998
- Any Model 269A, TH-55A, 269A-1, 269B or 269C Helicopter equipped with a 269A6050-5 tail rotor control assembly, Serial Number S1047 thru S1061. These assemblies incorporate 269A6049-3 swashplates from the production lot specified above.

NOTE

Aircraft delivered from the factory prior to 01 Sep 1998 that have not had the 269A6049-3 swashplate or 269A6050-5 swashplate assembly replaced after 01 Sep 1998 are not affected by this Service Bulletin.

TIME OF COMPLIANCE:

- PART I
- Within next 10 hours flight time and at 10 hour intervals thereafter until PART II is accomplished
- PART II
- At next scheduled 100-Hour or Annual Inspection, whichever occurs first
  - For all affected spares: perform applicable steps of PART II within 60 days from issue date of this Service Bulletin, unless previously accomplished

REFERENCE: Basic HMI (Issued: 15 Mar 1982; Revised 12 Feb 1999)

HMI Appendix C, PART VII, Section 9 (Issued: 15 Mar 1976; Revised 12 Mar 1999)

PREFACE: ● Field Reports indicate that some of the tail rotor swashplates/tail rotor control assemblies listed under MODELS AFFECTED have undersize swashplate shafts. This discrepancy has been correlated to a specific production lot of swashplates. This Service Bulletin requires disassembly and inspection of the affected swashplates.

- Failure to comply with this Service Bulletin may lead to loss of control of the helicopter, and subsequent serious injury, death and/or property damage.

(|) Denoted portion of text added or revised.

\*Supersedes B-271, dated 12 Mar 1999 1 of 3

PARTS, TOOLS, AND MATERIALS REQUIRED

PART NUMBER	NOMENCLATURE	SOURCE	QTY
269A6051	Lockwasher	SAC	1
HS1551S290	Tail Rotor Attachment Washer	SAC	1
369A9822-3	Pitch Control Assembly Holding Block	SAC	1
269A9307/269T9307	Locknut Torque Wrench Adapter	SAC	1
269T9275-3	Tail Rotor Wrench	SAC	1
---	White Lacquer Paint	Commercial	A/R

PROCEDURE, PART I, Check for Looseness:

- a. Cut lockwire and retract boot to gain access to pitch control assembly. Using firm hand pressure, check for looseness of 269A6258 nut.
- b. If hand check reveals looseness of 269A6258 nut or if shaft appears loose in bearing, perform PART II prior to next flight.
- c. If hand check appears to be satisfactory (no looseness), install boot and lockwire. Perform PART II as specified under TIME OF COMPLIANCE.
- d. Record compliance with PART I of this Service Bulletin in the aircraft records.

PROCEDURE, PART II, Inspect for Proper Size:

- a. Remove tail rotor and pitch control assembly from helicopter (Basic HMI Section 9). (Match mark assembly to aid in reinstallation.)

NOTE
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Perform steps b. through d., and f. through i. in accordance with HMI Appendix C, Part VII, Section 9.

- b. Disassemble tail rotor pitch control from tail rotor assembly.
- c. Remove 269A6258 nut; discard 269A6051 lockwasher. Remove 269A6049-3 shaft from 269A6050-5 pitch control assembly.
- d. Measure 269A6049-3 shaft diameter in accordance with new procedure described in HMI Appendix C, Part VII, Section 9; as revised 12 Mar 1999.
- e. Remove unacceptable shafts from service prior to further flight. Contact Schweizer Aircraft Customer Service (607-739-3821, ext. 303) for disposition. All discrepant parts must be scrapped unless Schweizer Aircraft directs their return for possible rework.
- f. Assemble serviceable shaft to bearing.
- g. Install new 269A6051 lockwasher.
- h. Install 269A6258 nut and torque; apply torque stripes.

- i. Assemble pitch control assembly to tail rotor assembly.
- j. Install pitch control and tail rotor assembly on helicopter (Basic HMI Section 9).
- k. Record compliance with PART II of this Service Bulletin in the aircraft records.

**WEIGHT AND BALANCE**

Weight and balance are not affected.