



# SCHWEIZER SERVICE BULLETIN

C1B-009.1  
14 Oct 1999

MANDATORY

MANDATORY

MANDATORY

SUBJECT: TAIL ROTOR SWASHPLATE SHAFT INSPECTION

MODELS AFFECTED:

- Any Model 269C-1 (CB) 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 269C-1 (CB) 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: 269C-1 Basic HMI (Issued: 14 Jul 1995; Revised 12 Feb 1999)

HMI Appendix C, PART IV, Section 9 (Issued: 14 Jul 1995; 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.

(I) Denotes portion of text added or revised

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

Perform steps b. through d., and f. through i. in accordance with HMI Appendix C, Part IV, 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 IV, 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 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.