



# SCHWEIZER SERVICE BULLETIN

B-261  
19 Oct 1994

MANDATORY

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SUBJECT: PERIODIC INSPECTION OF MAIN TRANSMISSION PINION INPUT SHAFT ASSEMBLY

MODELS AFFECTED: Model 269A, TH-55A, 269A-1, 269B and 269C Helicopters equipped with:

- Any 269A5103 BSC or 269A5103-9 pinion shaft assembly.

TIME OF COMPLIANCE: ● Within the next 200 hours time in service or within 12 months from issue date of this Service Bulletin.

- At each 1500 hours time in service from the last magnetic particle inspection as detailed in this Service Bulletin.

REFERENCE:

- Models 269A, TH-55A, A-1, B & C Basic HMI (Reissued: 15 March 1982; Revised 19 Oct 1994)
- HMI Appendix C, Part I (Reissued: 15 Dec 1981; Revised 15 Jul 1988)
- R-82 - HMI Temporary Revision 82 (19 Oct 1994)

PREFACE: ● Field reports indicate that cracking has occurred in the threads at the gear end of some pinion shaft assemblies listed under MODELS AFFECTED. The inspection procedure specified in this Service Bulletin is in addition to all other inspection requirements for the pinion shaft assembly.

- 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.

PROCEDURE:

- a. Verify part number of pinion shaft assembly from records or actual part.
- b. If not already accomplished, remove main transmission from helicopter (Basic HMI, Section 10) and remove pinion shaft assembly from main transmission (HMI Appendix C, Part I).
- c. Perform magnetic particle inspection on pinion shaft assembly in accordance with HMI Appendix C Part I, Table 3-2 (as amended by R-82). If defects are found, the pinion shaft assembly must be retired from service. In this event, install serviceable assembly (steps **d.**(1) and **d.**(2) below).
- d. If pinion shaft assembly is acceptable for continued service, perform the following:
  - (1) Install pinion shaft assembly in main transmission (HMI Appendix C, Part I).
  - (2) Install main transmission in helicopter (Basic HMI, Section 10).
- e. Record compliance with this Service Bulletin in the component and aircraft records.

WEIGHT AND BALANCE

Weight and balance are not affected.