



# SCHWEIZER SERVICE BULLETIN

DB-001.1\*  
28 Sep 1995

MANDATORY

MANDATORY

MANDATORY

SUBJECT: 50-HOUR INSPECTION OF MAIN ROTOR BLADE ABRASION STRIP

MODELS AFFECTED: All Model 269D Helicopters equipped with 269A1185-1 main rotor blades with any of the following Serial Numbers:

S222	S399	S597 thru S611
S312 thru S313	S401 thru S417	S620 thru S623
S325 thru S327	S419 thru S424	S625
S339	S426 thru S449	S628
S341	S451 thru S507	S633
S343	S509 thru S513	S641 thru S644
S346 thru S347	S516 thru S527	S646
S349 thru S367	S529 thru S540	S653
S369 thru S377	S542	S658
S379 thru S391	S544 thru S560	S664 thru S665
S393 thru S395	S562 thru S584	S667
S397	S586 thru S595	

- TIME OF COMPLIANCE:
- At next 50-Hour Inspection or 90 days from issue date of this bulletin, whichever occurs first, and at each 50-Hour Inspection thereafter.
  - Affected spares must be inspected prior to installation on aircraft.

REFERENCE: Model 269D Basic HMI (Issued: 01 Feb 1993; Revised: 28 Sep 1995)

Model 269D HMI, Appendix B (Reissued: 14 Jun 1993; Revised: 20 May 1994)

PREFACE: ● Reports indicate that debonding/corrosion may occur at interface of main rotor blade abrasion strip and blade skin. This Service Bulletin increases the frequency of the existing required inspection to check for this condition on all main rotor blades listed above. The frequency is increased from 100-hour intervals (269D HMI, Appendix B, Table B-2) to 50-hour intervals as specified in TIME OF COMPLIANCE above.

(■) Denotes portion of text added or revised.

\*Supersedes DB-001, dated 01 Apr 1994

**DB-001.1\***  
**28 Sep 1995**

- PREFACE: ● New Model 269D Helicopters Serial Numbers S0002 and subsequent with factory installed main rotor blades are NOT affected by this Service Bulletin. If one or more of the main rotor blades listed under MODELS AFFECTED are installed in the field, that helicopter would then be affected.
- Main rotor blades incorporating abrasion strips re-bonded by Schweizer Aircraft Corp. after the date of this bulletin will have a white dot added adjacent to the blade serial number. Blades listed above that have been marked with a white dot are NOT subject to the requirements of this bulletin. Likewise, main rotor blades listed above with abrasion strips that have been re-bonded by an FAA approved facility other than Schweizer Aircraft Corp., are NOT subject to the requirements of this bulletin.
  - 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. Visually inspect the abrasion strip to airfoil bond line for voids, separation, and lifting of the abrasion strip. Inspect adhesive bead around perimeter of abrasion strip for erosion, cracks and blisters.
- b. Tap (ring) test entire abrasion strip for debonding and hidden corrosion voids in accordance with Basic HMI, Section 8.
- c. If any deterioration of the abrasion strip sealant is observed (step a. above) restore bead (Basic HMI, Section 8). If abrasion strip voids (step b. above) are found or suspected, the main rotor blade shall be immediately removed from service. Defective blade(s) may be returned to Schweizer Aircraft Corp. or an FAA approved repair facility for repair disposition.
- d. Record compliance with this Service Bulletin in the aircraft records.

WEIGHT AND BALANCE

Weight and balance are not affected.