



# SCHWEIZER SERVICE BULLETIN

B-242  
10 Feb 1992

MANDATORY

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**SUBJECT: ONE TIME INSPECTION OF MAIN ROTOR BLADES**

**MODELS AFFECTED:** All Model 269 Series Helicopters equipped with main rotor blades, manufactured by Hughes Tool Company or McDonnell Douglas Helicopter Company, with the following Part Numbers:

- 269A1160
- 269A1185-1
- 269A1190 and 269A1190-1

Main rotor blades manufactured by Schweizer Aircraft Corp. are not affected by this Service Bulletin. Schweizer manufactured main rotor blades are identified by the letter "S" preceding the serial number.

- TIME OF COMPLIANCE:**
- Within next 100 hours time in service, or next time main rotor blades are removed, or no later than 01 July 1992, whichever occurs first.
  - Spares must be inspected and torque verified prior to installation and no later than 01 July 1992.

**PREFACE:** Reports have indicated that the torque on some main rotor blade root fitting bolts does not meet manufacturing specifications. These bolts provide an additional degree of safety due to the clamping load of the bolts providing additional friction in the bolted joint. Failure to comply with this Service Bulletin may lead to loss of control of the helicopter and subsequent injury or death.

## TOOLS AND EQUIPMENT

<u>Nomenclature</u>	<u>Source</u>
Torque wrench (0-100 in.-lbs.)	Commercial

## PROCEDURE:

- a. If main rotor blades are installed on the helicopter, support each blade at tip so that weight of blade is removed from droop stop.

b. Visually inspect the root fitting bond line for integrity.

(1) All main rotor blades that exhibit bond line separation shall be removed from service.

**CAUTION**

**Do not loosen blade root fitting bolts prior to verifying torque.**

**NOTE**

The 60 to 65 in.-lbs. torque requirement includes a nominal value to account for run-on torque.

- c. Apply a torque of 60 to 65 in.-lbs. to each root fitting bolt on main rotor blades. Inspect root fitting bond line for integrity.
- d. Apply a white dot to the underneath side of acceptable main rotor blades in the area of the root fitting bolts/nuts.
- e. Record compliance with this Service Bulletin in the aircraft records.

**WEIGHT AND BALANCE**

Weight and balance are not affected.