

ROBINSON HELICOPTER COMPANY

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R44

SERVICE BULLETIN SB-5

DATE: 26 April 1995

TO: All R44 Owners, Operators, and Service Centers

SUBJECT: Main Rotor Droop Stops and Teeter Stops

ROTORCRAFT AFFECTED: R44 helicopters S/N 0001 thru 0177

TIME OF COMPLIANCE: By 31 July 1995

BACKGROUND: To prevent cracking of teeter stop brackets and possible loss of elastomeric teeter stops (bumpers), the bracket has been redesigned and material changed from aluminum to stainless steel. Loss of an elastomeric teeter stop would allow a main rotor blade to contact tailcone when starting or stopping main rotor during windy conditions.

COMPLIANCE PROCEDURE:

- 1) For each R44 to be modified, reference aircraft serial number and order the following:
 - 2 each C150-1 Rev C or later droop stop
 - 2 each D151-2 teeter stop
 - 2 each D226-2 bracket
- 2) Cone blades up until spindle tusks move off droop stops and support blades near outboard ends on padded surface or with rope.
- 3) Note location of droop stops, teeter stop brackets, and hardware. Remove NAS1308-60 bolt.
- 4) Replace droop stops, teeter stops, and teeter stop brackets with parts procured in step 1.
- 5) Reinstall NAS1308-60 bolt and torque nut to 995 in.-lb (includes nut self-locking torque). Torque palnut to 110 in.-lb and apply torque stripe.
- 6) Gently lower blades back onto droop stops.

Approximate Cost:

Labor: 1 manhour

Parts: List price \$250.00
Discount price \$125.00 if ordered by 30 June 1995

THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH THE APPLICABLE FEDERAL AVIATION REGULATIONS, AND ARE FAA APPROVED.